RESOURCES AGENCY OF CALIFORNIA

DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county C	Cat Canyon			District: 3 - SANTA MARIA			
Former owner C	Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010			
Name and location of well	(s)						
Sec. 4, T. "W.P. Hal Sec. 5, T "W.P. Ha Sec. 6, T "Los Alar Sec. 18, "Los Alan Sec. 18, "Los Alan Sec. 30, T "Fugler" (S Sec. 31, T "Drumm", "Los Alan "Williams	8N, R. 32W S.B. B&mmon Fee B (NCT-2) 8N, R. 32W S.B. B&Immon Fee B (NCT-2) 8N, R. 32W S.B. B&Immon Fee B (NCT-2) 8N, R. 32W S.B. B&Immon (See attached list) 8N, R. 32W S.B. B&Immon (See attached list) 9N, R. 32W S.B. B&Immon Bolding Co." C.H. 1 &Immon Co." C.H. 1 &Immon Bolding Co." (See attached list) (See attached Bolding Co.") (See attached Bolding	Sec. 32, T. 9N, R. 32W S.B. B&M "W.P. Hammon Fee B (NCT-1)" 1 & 3 Sec. 1, T. 8N, R. 33W S.B. B&M "Los Alamos" (See attached list) Sec. 12, T. 9N, R. 33W S.B. B&M "G.W.P." (See attached list) Sec. 13, T. 9N, R. 33W S.B. B&M "G.W.P." (See attached list) "Standard" 1 (083-01397) Sec. 23, T. 9N, 33W S.B. B&M "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123) Sec. 24, T. 9N, 33W S.B. B&M "G.W.P." (See attached list), "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843) Sec. 25, T. 9N, 33W S.B. B&M "G.W.P." 367-24 (083-22114)					
	on which the well(s) is (are) local Santa Barbara Cour						
Date of transfer, sale, assignment, conveyance, or exchange	New Owner		Operator code E0255	Type of Organization Corporation			
4-29-2010	600 Travis, Suite 7 Houston, TX 77002		Telephone No. (713) 812-1800				
Reported by ERG Operating Company, LLC							
Confirmed by Chevror							
New operator new status PA	Request Designation of Ag	ent					
Old operator new status PA	Remarks Acquiring company	y has a blanket bond.					
		Deputy Supervisor Patricia A. Abel	Signatur	e Sbel			

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST						
NPA - No Potential Active	Form or record	Initials	Date	/ Form or record	Initials	Date	
PI - Potential Inactive	Form OGD121	CB	7/21/10	Map and Book	PA	1	
NPI - No Potential Inactive	Well records	СВ	7/21/10.	Lease Files	CB	7/21/10	
Ab - Abandoned or No More Wells	New well cards		1,131,1	Well Stat	СВ	1	
PAA:cb	Bond Status			District Computer Files	СВ	7/21/10	
cc: ERG Operating Co. LLC	Annual Report	СВ	7/21(10				
Chevron U.S.A. Inc.							

Santa Barbara County

Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

Field or county	Cat Canyon		District: 3 - SANTA MARIA
Former owner	Chevron U.S.A. Inc.	Opcode: C5640	Date: July 19, 2010
Name and location of we	ll(s)	1	
Soc 1 7	CAN D 221A/CD DOBA		
	<u>. 8N, R. 33W S.B. B&M</u> 1 (083-00380)		
	T. 9N, R. 33W S.B. B&M		
	F" (See attached list)		
	ee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding	n" "\/\illiams Holdi	ing Co." 1 (083,00720)
"Williams	Recruit" 2 & 3 (See attached list)	g , vviiilaitis Holdi	ing Co. 1 (083-00729),
<u>Sec. 36,</u>	T. 9N, R. 33W S.B. B&M		
"D-WF" 3	82 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-	21126), "WH-LA"	308 (083-21003)
"Williams	Fee", "Williams Holding" 368-25 (083-22122)	,,	, , , , , , , , , , , , , , , , , , , ,
OFF ATT	ACUED HOT FOR HERMAN		
SEEAH	ACHED LIST FOR LISTING OF ALL WELLS INCLUD	DED IN TRANSFE	R.
Description of the land up	on which the well(s) is (are) located		
Cat Canyon Field	Santa Barbara County, CA		•
Date of transfer, sale,	New Owner	Operator code	Type of Organization
assignment, conveyance		E0255	Corporation
or exchange 4-29-2010	Address 600 Travis, Suite 7050		
120 20 10	Telephone No.		
Reported by	Houston, TX 77002		(713) 812-1800
	perating Company, LLC.		
Confirmed by Chevro			
New operator new status	Request Designation of Agent		

Deputy Supervisor
Patricia A. Abel
Signature

OPERATOR STATUS ABBREVIATIONS

Remarks

PA

PA

Old operator new status

FORM AND RECORD CHECK LIST					
Form or record Initials		Date	Form or record	Initials	Date
Form OGD121	CB		Map and Book		
Well records	СВ		Lease Files	СВ	
New well cards		·	Well Stat	CB	
Bond Status			District Computer Files	CB	
Annual Report	СВ				
	Form OGD121 Well records New well cards Bond Status	Form OGD121 CB Well records CB New well cards Bond Status	Form or record Initials Date Form OGD121 CB Well records CB New well cards Bond Status	Form or record Initials Date Form or record Form OGD121 CB Map and Book Well records CB Lease Files New well cards Well Stat Bond Status District Computer Files	Form or record Initials Date Form or record Initials Form OGD121 CB Map and Book Well records CB Lease Files CB New well cards Well Stat CB Bond Status District Computer Files CB

Santa Barbara County

Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

Acquiring company has a blanket bond.

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA

DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES REPORT OF PROPERTY AND WELL TRANSFER

Field or county	See below					Dietrict: 3	- SANTA M	A DI A
Former owner	ChevronTexaco	Exploration & Produ						
Name and location of we	ell(s)			<u> </u>	ocode:	Date	September	23, 2005
All Wells								
,								
Description of the land upo	on which the well(s) is (a	re) located						
Date of transfer, sale,	New Owner				Operator code			
assignment, conveyance,	Chevron U.S.A	A. Inc.			<u>C5640</u>	Type of Organization Corp.		
or exchange 7-11 -2005	Address					Corp.		
2000	PO Box 1392 Bakersfield, C	A 02202					Telephone N	lo.
Reported by Chevron	Texaco Explorati	on & Production Co					(661) 65	
			mpany					
Confirmed by Chevron	U.S.A. Inc.							
New operator new status	Request Designation	of Agent						
status abbreviation) PA	A coquest Designation	r or Agent						
)								
Old operator new status status abbreviation) PA	Remarks							
stotus abbieviauotiji A	This is A NAI	ME CHANGE ONLY	Y	Inclu	des abandoned	wells		
		Deputy Supervisor			Signature		- 1	
		William E. Bra	nnon			1)	(()	
OPERATOR STATUS AS					M	lear (Du	my
OPERATOR STATUS AI A - Producing Active	BREVIATIONS			50014 415 0			7	
IPA - No Potential Active		Form or record	Initials		ECORD CHECK LIS			
l - Potential Inactive		Form OGD121	illuais	9/23/05	Form or	record	Initials	Date
PI - No Potential Inactive		Well records	h)	3/23/65				9/23/05
b - Abandoned or No More	Wells	New well cards		2123163	Lease Files Well Stat			
/EB:hc		Bond Status		9/23/05		Filoc		912305
	xaco E&P Co.				Source computer	IIICS		
Chevron U.	S.A. Inc.				 			

Santa Barbara County

Cons. Committee

Transfer File

Harold Bertholf

HQ

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA

DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES REPORT OF PROPERTY AND WELL TRANSFER

Field or county Ca	t Canyon					Distric	t 3 - SANTA MARIA
Former owner Tex	aco Exploration & Produ	ction Inc.		Opcode: T1600	Date	November 22, 2002	
Name and location of	f well(s)						
Sec. 5, T. 8N, R. All Wells	32W, SB B&M		T. 9N, R. 32W, SB B&M Vells		T. 9N, R. 33W, SB Il Wells	<u>B&M</u>	
Sec. 6, T. 8N, R. All Wells	32W, SB B&M), T. 9N, R. 32W, SB B&M Vells		3, T. 9, R. 33W, SB I Wells	<u>3&M</u>	
Sec. 7, T. 8N, R. All Wells	32W, SB B&M	<u>Sec. 31</u> All W	1, T. 9N, R. 32W, SB B&M /ells		<u>0, T. 9N, R. 33W, Si</u> Vells	3 B&M	
Sec. 16, T. 8N, R All Wells	<u>. 32W, SB B&M</u>	Sec. 3 All W	32 T. 9N, R. 32W, SB B&M /ells		11, T. 9N, R. 33W, 5 Wells	BB&M	!
Sec. 12, T. 8N, R All Wells	. 33W, SB B&M	Sec. 1	I, T. 8N, R. 33W, SB B&M /elis	Sec. 12 All W	2, T. 9N, 33W, SB B& ells	<u>kM</u>	
Sec. 6, T. 9N, R.: All Wells	32W, SB B&M	<u>Sec. 1, </u> "All W	T. 9N, R. 33W, SB B&M /ells	Sec. 13 7 All Wells	. 9N, R. 33W, SB B	<u>&M</u>	
Description of the lan	d upon which the well(s)	is (are) loc	ated				
Date of transfer, sale,	New Owner				Operator code		Type of Organization
assignment, conveya	nce, ChevronTexac	co Explora	ation & Production Compar	ny	C5680		Corp.
or exchange	Address					-	
08-22-02	5001 Californi	a Ave.					Telephone No.
	Bakersfield, C						(661) 395-6445
Reported by Texaco	Exploration & Production	n Inc.					
Confirmed by ChevronTexaco Exploration & Production Co.							
New operator new sta (status abbreviation) I		ation of Ag	ent				
Old operator new stat (status abbreviation) I		-				• • •	
			Deputy Supervisor		Signature	•	
			William E. Brannon		Kall	J	Jan 1

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST						
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date	
PI - Potential Inactive	Form OGD121	IV.	11-02	Map and Book	CASA	11-172	
NPI - No Potential Inactive	Well records	DM	11/02	Lease Files		11112	
Ab - Abandoned or No More Wells	New well cards	IDM	11-02	Well Stat	FKQ		
WEB:hc	Bond Status	1	1.00	District Computer Files			
cc: Cons. Committee							
Harold Bertholf							

Texaco E & P Inc. ChevronTexaco E & P Co. OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION DIVISION OF OIL AND GAS (805) 937-7246

REPORT OF WELL ABANDONMENT

T. J. Hurst, Agent Sexaco E&P Inc. 26251 Hwy, 33 Santa Maria , California Fellows, CA 93224 February 20, 1992
Your report of reabandonment of well,
A.P.I. No. <u>083-00313</u> , Section <u>1</u> , T. <u>8N</u> , R. <u>33W</u> , <u>SB</u> B.&M.,
Cat Canyonfield, <u>Santa Barbara</u> County,
lated <u>Jan, 1992</u> , received <u>Feb. 3, 1992</u> , has been
examined in conjunction with records filed in this office, and we have
etermined that all of the requirements of this Division have been
ulfilled.
ate of environmental inspection: February 19, 1992.

RAB:ks

K.P. HENDERSON, Acting Chief

Welliam Forannan
Deputy Supervisor

DIVISION OF OIL AND GAS CHECK LIST - RECORDS RECEIVED AND WELL STATUS

COMPANY <u>TEXACO EXP. & PROD. INC.</u> WE	LL NO. "LOS ALAMOS" 31
API NO. 083-00313 Sec. 1, T	. <u>8N</u> , R. <u>33W</u> , <u>SB</u> B.&M.
COUNTY SANTA BARBARA	FIELD CAT CANYON
RECORDS RECEIVED DATE	STATUS
Well Summary (Form OG100)	abd-waterflood 9/10/91
Other:	Engineer's Check List
Electric logs:	Summary, History, & Core Record Directional Survey Logs Operator's Name Signature Well Designation Location
Clerical Check List	Notices "T" Reports Casing Record Plugs Env. Insp. Date Production/Injection E Well on Prod., enter EDP
Form OGD121	Computer
Location change (OGD165) Elevation change (OGD165)	Map Work:
Final Letter (0G159) 20-92 Release of Bond (0GD150) Abd in EDP	Follow Up:
Notice of Records Due(OGD170) Request:	·
	Hold for:
	Records Approved 2/3/92 183

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OperatorT	EXACO EXPLORATIO	N & PROI	DUCTION, INC.	Field	Cat Canvo	n C	ounty_S	Santa Barba	ara
Well Los A	lamos #31	,	Sec. 1	, T		R <u>33W</u>			B. & M.
A.P.I. No.		Name _	W. G. WELCH		Title	AGENT			
Date <u>Januar</u>	<u>y</u> , 1992		ENNSIGN ER EL A. RESELVE FEB 3 11		ignature	<u> </u>	del	J	
26251 High	hway 33, Fellows, CA 9	2224							
		(Address)	SANTA MARIA					(805)76 (Telephon	58-4357 Number)
or ance	ory must be complete in all de ring the casing, plugging, or a ent used, top and bottom of p	nandonment .	with the dates thereof.	Include such	items as hol	esize format	ion tost data	ng redrilling ils, amounts	; ;
Date									
08/29/91	M.I.R.U. Opened we Baker Loc-Set Packer down.	ll. Unland up to 90,0	ed tubing. Attempt 00#. Released pac	ed to releas ker and wo	se Packer to orked free.	o no avail. Relanded	Worked I tubing. C	arkin Mar Closed well	ndrel and l in, shut
08/30/91	Opened well. Unland string weight. Packet pulling 70,000#. Cha	r stopped a	t 3,150'. Pumped	100 bbls.	water dow	lled tubing on tubing.	slowly, pu Unable to	alling 40,0 work pac	00# over ker free
09/03/91	Opened well. Worked R.I.H. with 6-1/8" bit, at 3,646'. Rigged up tubing to make hole.	power swi	ur 4-3/4" drill colla ivel. Filled hole ar	rs, and 2-7. Id circulate	/8" tubing. ed out sand	Tagged fil	1 at 3 543	Tunk hei	daa alua
09/04/91	Opened well. R.I.H. Drilled up bridge plug at 3,834'. Pulled 2' o down power swivel.	. Cleaned off bridge p	out sand from 3,67 lug and power swiv	9' to 3.806	5'. Drilled	Out cemen	t from 3 S	206' to bei	daa mlua
09/05/91	Opened well. Made up making hole. P.O.O.I Drilled to 3,846'. Get Let hole clean up. Pul	ting back c	ols. Found cone mu uttings of metal, cen	ssing from	ı bit. Repl gravel. Tu	laced hit	RIH wi	th toole to	2 927
09/06/91	Opened well. R.I.H. to Pulled out tubing and 1 3,845'. Pumped 130 cr tubing to 3,249'. Pum water. Pulled tubing to 67 cu.ft. water. P.O.C	u.ft. class " nped 130 c 2,648'. P	rill collars, bit sub C" cement and disp u.ft. class "C" cem umped 130 cu.ft. cl	, and bit. laced to tope ent and dis ass "C" cer	R.I.H. with of cement splaced to	th sawtooth at 3,257' v	collar and vith 106 cuent at 2.6	d 2-7/8" to 1.ft. water.	bing to Pulled
09/09/91	Opened well. R.I.H. 1,900', pumped in 177 D.O.G. witnessed and fired 30# cavity shot. and displaced to top of 66 cu.ft. with final presents.	approved. Rigged dov	Held safety meeting M.M.I. R.I.H. 335' with 11 cu.ft.	displaced g on explo with tubing water. P.0	to top of o sives. Rig g to 1.100'	cement at 1 gged up M. Pumned	,100' with M.I. R.I	h 36 cu.ft. .H. to <u>1,0</u>	water. 70' and cement
OG103(5/85/D	WRR/5M)			E					3.93

- Opened well. R.I.H. ...ged cement at 675'. P.O.O.H. with tubing. ...ade up 7" mechanical cutter. R.I.H. 35' and cut casing. Lay down cutter. Removed working floor and B.O.P. R.I.H. with tubing and retagged cement at 675' for D.O.G. With tubing at 675', pumped class "C" cement to surface. P.O.O.H. with tubing. Pumped cement between 7" and 13-3/8" casing strings. D.O.G. witnessed and approved. Used a total of 195 cu.ft. cement. Cleaned location. Loaded out equipment. R.D.M.O.
- 10/10/91 Cut off casing 5' below ground level. Weld on steel plate with well number, section, township, and range. Cleaned location for D.O.G. final approval.



RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

(805) 937-7246

REPORT ON OPERATIONS

Wayne G. Welch, Agent Texaco E&P Inc. 26251 Hwy, 33	<u>Santa Maria</u> , California
Fellows, CA 93224	September 12, 1991
	API No. <u>083-00313</u> Field, in <u>Santa Barbara</u> 0, representative 1330 There were also
Present condition of well: 13-3/8" cem. 416'; 3105', 3187', 3264', 3499' & 3605', perf. 3092' 3498' WSO & & 4862' WSO, perfs. 3123'-3170', 32 cavity shot @ 1070', cut @ 35'; 5-1/2" ld. 5007 Junk: Bridge plug @ 3845'. T.D. 5710'. Plugged	WSO, 3104' WSO, 3185' WSO 10'-3247', and 3530'-3565' 5705' perfs 5135'-5687'
The operations were performed for the purpose of process of abandonment.	of plugging the well in the
DECISION: THE PLUGGING OPERATIONS AS WITNESSED A	ND REPORTED ARE APPROVED.
Ste map 1/24/92 junts 2/19/92 clean	on be RB welled ok BB

PAT:mjn

By William E. Branner

Deputy Supervisor

46

	,	ac

	/MS	T. 1.	- 00313 Canyon ruocchio	r	epresenta	ICTAG OT CI	se supe	LATRO	C, WES P	Lesent ILC		to <u>1330</u>
Cant			present_ of well:3									3187
			3605									
18/00	2/112.5	5.O.	perfs :	7123'-	- 3170'	3210-3	247'	and:	3530 ¹	- 3565	casity	sm-
			were perfo									<u> </u>
100	Jo'	- C12 +	@ 35 ['] ;	51/24	1d. 500	7 - 570	5 5	orfs.	5135	_ 5687 ·	Junk	
	-		@ 3845 ¹ .			•	1	•		/		
<u> </u>	IX TI	ne plu	gging/chie	nting	operatio	ns as witr	essed	and re	ported	are appro	oved.	
	□ TI	ne loc	ation and	hardne	ess of th	e cement p	lug @_			' is app	roved.	
Hole	size		# fr		¹ to	•	H	to	•	<u> </u>	• to	<u> </u>
						. ,					·	
-				ſ	0			-	P411	ı	1	
Size		Casing Top	Bottom	-Date	Ceme MO-De	1			Fill Casina	Squeezed Away	Final Press.	Parfe
SIZE	WLO	Top	BOCCOM	Date	: NO-DE	pen voi	CHIC AIL	Haras	Castiff	^	Ø	107
			·						<u> </u>	66 ct	<u> </u>	107
					·				· · · · · · · · · · · · · · · · · · ·			
		<u></u>				1	- 1				l	1
					1							
	()				* ***						£	
Junk	(in h	ole):	ecovered:_ junk BP@_	389:	9 (Lowldn	T cet	 	low	_' pulled could n_' pulled 38.45	fr	'; '•
Junk	(in h	ole):	led to) at_	3643	· Witne	essed by_	oet O	- be	Iow)	<u> </u>		
Junk	(in h	ole):	BPa	3643	9 (Lowldn	oet O	Poure	Iow)	pulled couldny pulled 38.45		ngr.
Junk	(in h	ole):	led to) at_	3643	· Witne	essed by_	oet O	- be	Iow)	<u> </u>		
Junk	(in h	ole):	led to) at_	3643	· Witne	essed by_	d oet	- be	Iow)	<u> </u>		
Junk	(in h	ole): (bai	led to) at_	3643	· Witne	essed by_	d oet	- be	Iow)	<u> </u>		
Junk Hole	(in h	(bai	led to) at_	364	. Witne	essed by_	ed et	- be	d	<u> </u>		
Junk iole	(in h	ugs	led to) at_	384	. Witne	Displac	ed et	Poure	d	Fill Vitnessed	B	ngr.
Junk iole Ceme	(in h	ugs cf	Placing	384 ;	L. Witner Bbls. Placing Time	Displac	ed	Poure	d Top V	Fill Vitnessed	B	ngr.
Ceme	(in h fluid Muddi wc ent P1 Sx./	ugs cf	Placing MO & Dept	h 345	L. Witner Bbls. Placing Time	Displac Witnessed Engr.	ed Dept	Poure	d Top V	Fill Vitnessed	B	
Ceme Date	Muddi Muddi Sx./	ugs cf	Placing HO & Dept +box @ 38 +box @ 3.	364; h 345 249	Placing Time rept by	Displac Witnessed Engr. J Loyd	ed Dept	Poure	d Top V	Fill Vitnessed	B	ngr.
Ceme Ceme	Muddi Muddi Sx./	ugs cf	Placing MO & Dept	h 345 249 648	Placing Time rept by	Displac Witnessed Engr. J Loyd	Dept 324	Poure	d Top V	Fill Vitnessed	B	ngr.
Cence Value	Muddi Muddi Sx./	ugs cf	Placing Howard 36 Howard 36 Howard 36	364 h 345 249 648	Placing Time rept by	Displace Witnessed Engr. J Loyd	Dept 324	Poure th Wt	d Top V	Fill Vitnessed	B	ngr.

RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION DIVISION OF OIL AND GAS

No.I	2 3	91-	-59
Piel	d Cod	e	
Area	Code	<u> </u>	
New	Pool	Code	
01d	Pool	Code	

TO CONDUCT WELL OPERATIONS

	WATER DISPOSAL PROJECT
	CENTRAL AREA
G. Oviatt, Agent	SISQUOC FM. (S6-S9 SDS.)
Texaco Producing Inc.	
P. O. Box 811	<u>Santa Maria</u> , California
Ventura, CA 93002	March 5, 1991
Yourproposal t	o <u>abandon</u> well <u>"Los Alamos" 31</u> , ection <u>1</u> , T. <u>8N</u> , R. <u>33W, SB</u> B.&M.,
A.P.I. No. $083-00313$, S	ection <u>1</u> , T. <u>8N</u> , R. <u>33W, SB</u> B.&M.,
<u>Cat Canyon</u> field,	area,pool,
Santa Barbara County, date	area, pool, d 2-25-91, received 2-28-91, has been
examined in conjunction with	records filed in this office.
THE PROPOSAL IS APPROVED PROV	
1. Blowout prevention equip	ment conforming to Class II 2M requirements
is installed and maintai	ned in operating condition at all times.
2. All portions of the well	not plugged with cement are filled with
inert mud fluid having a	minimum density of 70 lbs./cu. ft. and a
minimum gel-shear streng	th (10 min.) of 20 lbs./100 sq. ft.
3. The well is plugged with	cement from 5235' to 4762', 4367' to 4267'
and from 2320'to 2220'.	
4. The cement plug proposed	to be placed from 3665' to 3004' extends
from 3665' to at least 2	
5. Freshwater deposits are	protected by squeeze-cementing through per-
forations or a cavity sh	ot at 1070 feet with at least 55 cu. ft. of
cement. In addition, cem	ent fill inside the casing must be to at
least 100 feet above the	perforations or cavity shot.
C MULA DIVIGION IS NOWITHIN	
6. THIS DIVISION IS NOTIFIED	
	ion and hardness of the cement plugs at
4762, 2992', and at	
b. To witness the mudding	
c. To witness the placin	ng of the cement plugs from 4367' to
4267' and from 2320'	
d. To witness the placing	ng of the surface plug and the plug in the
To increase and arrest	annulus, or to verify their locations.
e. To inspect and approv	ve the cleanup of the well site before
approval of abandonmo	ent will be issued.

NOTE:

1. The 13-3/8" x 7" annulus plug must be placed through macaroni tubing or by perforating the 7" casing at 30', or deeper, and circulating cement up the annulus. An alternative would be to cut and pull the 7" casing from at least 30', prior to placing the surface plug.

DB/K. O/son; milled up 1st BP, found BP's 30' dasp I = Milling @ 3846, have made 9' in 12 hrs of milling. Ok to plug (Continued on Page 2)

From 3846' - 2992', DOG to tagy

Page 2 of 2 P391-59

BLANKET BOND AJK:ks

Bngineer<u>Al Koller</u>

Phone (805) 937-7246

M.G. MEFFERD, State Oil and Gas Supervisor

Welliam E. Branner

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

5

TEB 28 10.1

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

.2W.		FOF	DIVISION	USE ONLY
		CARDS	BOND	FORMS OGD114 OGD121
DIVISION OF OIL AND GAS			Rombet	2-28-912-28-91
In compliance with Section 3229, Division 3, Public Resource	es Code, notice i	s hereby	given that i	t is our intention
to abandon well Los Alamos #31			API No08	
Sec. 1, T. 8N, R. 33W, S.B. B. & M., Cat Cany	on Fiel	d, S a	nta Barba	araCounty.
commencing work on, 19_91	_ •			,
The present condition of the well is:	Additional	data for	dry hole (sł	now depths):
1. Total depth 5710' Plugged depth 3646'	5. Oil or gas s			- ,
2. Complete casing record, including plugs and perforations (present hole)				
See Attached	6. Stratigraph	ic marke	rs	
3. Last produced (Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)				
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D) Or N/A	7. Formation a	and age a	at total dept	h
4. Last injected (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)	8. Base of fres	h water :	sands	20=
9. Is this a critical well according to the definition on the	reverse side of	this for	m?	X
The proposed work is as follows:				No
See Attachment				

It is underst	ood that if changes in this pla	an become necessary, we are to notify you immediately. 42
Address2625	1 Hwy. 33 (Street)	Texaco Prod Inc. [Name of Operator]
Fellows (City)	CA 932 (State) (Zi (805~768~4357	24_ ByM. A. Carrell
Telephone Number OG108 (11/88/DWRR/5M)	(Area Code) (Number)	(Signature) (Date)

WELL:

Los Alamos #31

DATE:

FIELD:

Cat Canyon

AREA:

Santa Maria

PROPOSAL:

Abandonment

STATUS:

Idle

ABANDONMENT PROCEDURE:

- 1. Transport 5100' 2-7/8" EUE 8rd tubing to location for abandonment string.
- 2. M.I.R.U. Install B.O.P.E. and function test B.O.P. RIH in attempt to retrieve two bridge plugs at 3,646' and 3,810'.

NOTE: Notify DOG of new E.D. if unable to remove bridge plugs.

- 3. RIH with sawtooth collar on 2-7/8" tubing in attempt to clean out to E.D. (5,030'). DOG to witness clean out depth.
- 4. With tubing at clean out depth, pump in 54 bbl abandonment mud from 5,030' to 3,665'. DOG to witness mudding of hole.
- 5. Pull tubing to 3,665'. Stage in 190 cu.ft. Class G cement with 35% silica flour and 2% CaCl₂ (Theoretical volume 146 cu.ft. from 3,665' to 100' above top of perf's). Wait two hrs.
- 6. RIH. Tag top of cement plug at 3,004'. If lower recement as necessary. DOG to witness tag.
- 7. Pull tubing to 2,999', pump in 118 bbl. abandonment mud to surface. (Mud to be 9.4 ppg, YP 20#). DOG to witness surface plug.
- 8. Pull tubing to 100'. Pump in 22 cu.ft. Class G 3:1 sand cement slurry to 5' of surface. Fill all surface annuli with cement. DOG to witness surface plug.
- 9. RDMO. Cut off casing 5' below ground level. Weld on steel plate with well number, section, township, and range.

NOTE: Notify county petroleum department to witness before back-filling.

10. Clean location for DOG final approval.

Los Alamos #31 **CAT CANYON**

DEPTH:

5,710'

CASING:

13-3/8"

61#

416'

23#

Effec. to 3,646' Shoe at 5,030'

LINER:

None

PERF'S:

JP 4 H's Cmt'd 4 H's 3185'; 3264';

3498'; 3606'

GP 8 hpf

3105'; 3187'; 3123' - 3162'

3499'; 3605'

Reperf. JP 4 hpf

3123' - 3162'

Reperf. JP 4 hpf GP 8 hpf

3130' - 3170'

GP 4 hpf

3211' - 3221' 3221' - 3237' (cmt'd)

Reperf. JP 4 hpf

3210' - 3247'

GP 4 hpf Reperf. JP 4 hpf

3530' - 3559' 3530' - 3559'

W.S.O.:

4 H's 3,104'

TUBING:

None

REMARKS:

	and the state of t		Defaco	
142	100		Loo Alam	0531
3	1			
1/gc.414 A				
473,mproprocessors.	970		•	
1020	mud 1070 (555%)			
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	= 120 need play			4.7
	2/10			
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2770 77 MM	U	<u> </u>		
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2.61 WW	2992 need	1 1 3 mg - 1 12 mg		
CP 3264	perf 3210 -47, \$3130-70	perf 3211-21 (cm.	off)	
3498 WSO	<i>y</i>			
30-5865				,
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4862 WSOL	4762			
7"c.5030				
	need plug 5235			
. 1.	rj ses			29
l) •
51/2 1d. 5005 J				

SONIC FLUID LEVEL SUMMARY

COMPANY : TEXACO AREA : CAT C.

DATE	WELL #	FOP	BFW	F LEVEL	СР	COMMENT
1/6/89	LOS ALAMOS 63	ø	1100	1395		CTATIO TECT
1/6/89	LOS ALAMOS 66	Ø	1100	1302	i	STATIC TEST STATIC TEST
1/6/89	LOS ALAMOS 93	Ø	960:	465	5 5	TBG MASKS ACTUAL F.L.?
1/6/89	LOS ALAMOS 73	0	1130	310	0	TBG MASKED ACTUAL F.L.?
1/6/89 .	LOS ALAMOS 90	Ø	970	1705	0	STATIC TEST
1/6/89	LOS ALAMOS 72	0	950	1829	130	CTATIC TECT
1/6/89	LOS ALAMOS 94	Ø	980	248	165	INCONCLUSIVE-TBG MASK F.L
1/6/89	LOS ALAMOS 106	Ø	1120	124	1	STATIC TEST
1/6/89	LOS ALAMOS 88	0	1100	961	Ø	STATIC TEST
1/6/89	LOS ALAMOS 20	Ø	1100±	868	12	STATIC TEST
1/6/89	LOS ALAMOS 23	0	1060	2852	10	STATIC TEST
1/6/89	LOS ALAMOS 64	Ø	1560	1840	10	STATIC TEST
1/6/89	LOS ALAMOS 8-X	Ø	1120	2232	600	STATIC TEST
1/6/89	LOS ALAMOS 28	Ø	1000	80	5 .	QUESTIONABLE?
1/6/89	LOS ALAMOS 19	0	1080	930	50	STATIC TEST
1/6/89	LOS ALAMOS 27	Ø	920	3069	75	STATIC TEST
1/6/89	LOS ALAMOS 68	0	850	93	1 .	STATIC TEST
1/6/89	LOS ALAMOS 104	Ø	650	310	75	STATIC TEST
1/6/89	LOS ALAMOS 158	Ø	75D	0	140	OIL TO SURFACE
1/6/89	LOS ALAMOS 157	Ø	980	2760	170	STATIC TEST
1/6/89	LOS ALAMOS 29	Ø	1160	217	4	STATIC TEST
1/6/89	LOS ALAMOS 31	Ø	1025	605	. 12	STATIC TEST
1/6/89	LOS ALAMOS 100	0	710=	527	4	STATIC TEST
1/6/89	LOS ALAMOS 44	0	770	0	30	OIL TO SURFACE
1/6/89	LOS ALAMOS 103	0	660	589	480	STATIC TEST
1/6/89	LOS ALAMOS 52	0	760	0	80	OIL TO SURFACE
1/6/89	LOS ALAMOS 49	0	750	961	235	STATIC TEST
1/6/89	LOS ALAMOS 55	0	770	682	5	STATIC TEST
1/6/89	LOS ALAMOS 53	0	765	Ø	155	OIL TO SURFACE
1/6/89	LOS ALAMOS W.D	.1 0	750	Ø	310	OIL TO SURFACE
1/6/89	LOS ALAMOS 39	Ø	690	496	1	STATIC TEST
1/6/89	LOS ALAMOS 71	0	910	31	60	STATIC TEST
1/6/89	LOS ALAMOS 155	0	780	620	35	STATIC
1/6/89	LOS ALAMOS 150	0	740	1612	25	STATIC TEST
1/6/89	LOS ALAMOS 1-7	0	950	Ø	170	OIL TO SURFACE

DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

301 WEST CHURCH STREET, P.O. BOX 227 SANTA MARIA, CALIFORNIA 93456 (805) 925-2686

December 17, 1986

James M. Newton, Agent Texaco Producing Inc. 3201 Skyway Drive, #201 Santa Maria, CA 93455

WATERFLOOD PROJECT
CAT CANYON FIELD
CENTRAL AREA
SISQUOC FM. (S₆-S₉ SDS)

Dear Mr. Newton:

Current Division policy is to rescind approval for an injection project that has been idle for two years or more. Reactivation of such a project may require a full project-application review.

The above-captioned project has been idle for more than two years and injection approval is hereby terminated. In addition, the Division's approvals for you to inject into wells "Los Alamos" 31, 53, 55, 86, 100, 102, 103, 104, 107, and 108, the only wells in the project, are to be considered terminated as of this date. all injection lines to the wells must be disconnected and the wells properly shut in by January 20, 1987.

If you wish to reactivate this project, this office must be contacted for a determination of requirements.

Yours truly,

K. P. Henderson Deputy Supervisor

AJK:ks

cc: Well files Shayne

REDOURCES AVENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS (805) 925-2686

Report on Operations

No. T 376 - 307

Mr. D. R. G	reene, Agent íl Company		Santa Maria,	Calif.	
2. O. B	ox 811	•	October 3, 17	70	
mesent from and Hugh F	0830 to 1000 There	were also present	Norm Morgan, eng	ineer aide f. 3104'	
The operation	October 5, 1976 Octobe				
DECISION:		AND REPORTED ARE S ENTERING THE F	APPROVED AS INDICORMATIONS BELOW 3	CATING THAT 211' AT THIS	

RT:mjn

HAROLD W. BERTHOLF MAKAN KANAN Ruebert. State Oil and G

DIVISION OF OIL AND GAS WATER SHUT-OFF TEST

7376-307/281

	R/A,	Temp	Survey .		Wate	er Shut-(Off Test			V V	8,-
								۸) =	7310	D /	
Well	No •_	- LOS	Alamos	3/		Sec	$\frac{7}{P}$, $\frac{7}{V}$	<u>~</u> , R	3300, 5	<u>u</u> B&M	
Field	d	CAT C	8-4-28-1036 8-4-38-1036	. M	, County	Sonta	Darbara		was tes	ted for	water
nres	-orr ent f	rom	0830	, Mr. to	P. Thomas	<u>√ т</u> 1	_, represe	ntative	or the s	upervis	or was
p100	Nor	m Morra	n , Encr.	Ald . & L	luch Permy 7	Tester.	Tere were	arso pr			
Casi	ng re	cord	f well:	133/8	1000 lugh Perny g	"cem. 503	0, cp. 776	o', perf	3/04 WSO	perts 3	123 -3170,
	3210'-	3247,	1 3530 - 35	565. J.D.	5710 Baide	pl- 3641				<u></u>	
The C	opera)	icons	were peri	ormed 10	r the purpos	se or	0emonsT	rating	the lall o	(TNP)	Alecies .
	<u> </u>	17 60116	7.7	T PITE NO Z O	ZON F.						
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					ed and repor he annulus b						
_	_									`	
<u> </u>	in L	e oper	ations as	witness c con fin	ed and repor ed to the fo	rted are	approved	as indi	cating th	at all (of the
				- est	Eriosg		below	3511	at thi	s time.	
					<i>J</i>						
1											
Hole	size	:	" fr.		_' to	',	" to		' &		to
									 		
		Casing	:	,	Cemented		Top of	fill	· 1	1	
Cina	1		1						Squeezed		
Size	Wt.	Top	Bottom	Date	MO-Depth	volume	Annulus	Casing	Away	Press.	Peris.
										Ī	
		<u> </u>						1			
	l	1				<u> </u>	<u></u>	<u> </u>		<u> </u>	
Depth	or	interv	al tested.		3/60-3570'						
								-			
The h	ole :	tluid 7	was bailed	1 to	' at_ _' for test.	·	on		19	•	
Packe	r(s)	was Ope	' &	1	Tail	! Bea	n size	,	Cushion		
IHP			IFP	FFP_		FHP			Cusilion		
Open	for t	test	Hr	`• 	min. F	luid ent	ry				
Date_		1,5	1	Gue	nge/meter re nge/meter re	ading	Pump	depth.	' Ег	ngr•	
					ige/meter re						
Total	flui	id proc	luced, Bbl	s	1	Net oil_	10,000 (111)	N	later		
RA/Sp	inner	(Temp	erature)	survey r	run at <u>48</u>	<u>О</u> B/D	& 1200	_psi or	Schtembe	m 28	1976
fluid	coni	inea i	oe⊥ow <u>3</u> 7		<u>'</u> (Packer o	depth mand	re - 317/	.')			
	;	Pun to	mo Surve	2 + PU). @3570'. weit 700 se	Run Dra	check 310	0-3200	426 8/0.	Pun +	on perf
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		no pe	<u>cher check</u>	CE 3/60	Vail 100 St	ec 105 day	vu 1. 3230	OK ,	erect	, , , ,	1000
		90 B/D	V, C, 14.	् 🕝 १२	. oK					•	(25)
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No	te:	casine	Dressure	1200#.	GO man wa	s injured	in removie	n Dress	ure rose f	nom cos	in
			7	· He d	id not close	in casing	before ren	بالمانية	J		ر

RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Report on Operations

No. T_374-100 Mr. G. C. Padgett, Agent Santa Maria, Getty Oil Company _Calif. P. O. Box 811 February 27, 1974 Ventura, CA 93301 DEAR SIR: Operations at well No. "Los Alamos" 31 S.B. B&M Cat Canyon Field, in Santa Barbara __County, were witnessed Mr. M. Schrecongost on 2-25-74 representative of the supervisor was present from 1345 ... There were also present G. Hampton, logging engineer 1530 _to_ and R. Curnow, production foremen Present condition of well: 13 3/8" cem. 416'; 7" cem. 5030', c.p. 2760', perf. 3104' WSO, perfs. @ int. 3123-3170', 3210-3247' & 3530-3565'. T.D. 5710'. Bridge plue 36461.demonstrating that the injected fluid is The operations were performed for the purpose of___ entering the intended some.

DECISION: THE OPERATIONS AS WITNESSED AND REPORTED ARE NOT APPROVED AS INDICATING THAT ALL OF THE INJECTION FLUID IS CONFINED TO THE FORMATIONS BELOW 3123' AT THIS TIME.

Resurveyed 4-24-74

1. Did not log out to check
leak at 1800

2. Did compute rates of 500 (1000 A/D)

and 3100' (checked) - Concluded

loo loss.

MS :mjn

JOHN F. MAT HEWS, JR.

State Oil and Got Superption

By Cleen Deputy

19190-708 11-73 20M ® OSP

FORM 109 (REV. 1-73)

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shu	t-off	on 2	2-25-74	M ₂	, County r. <u>M. Schr</u> e /530	Santo	Barb	ora	Was	tested for	or water
pre	sent :	from	1345		10. 30 NF	econgo.	<u>∮</u> , repr	esentat	ive of the	e supervi	lsor was
P11	ar E	$\rightarrow \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	ellocate de la l	₽ ₽				c arec	breseur G	t. Hama	70W 1000
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@	int.	3123	3170' 3	2/0'- 3	247' = 353	com 50	230) C 1	7/60	Pert 3	104 WSC), Perts
		·				<u> </u>	94 , /	, D, S	770 . B	ridge pl	ug 3646
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<u> </u>		asing		ļ	Cemented		Тор о	f Fill	Squeezed		
Size	Wt.	Тор	Bottom	Date	MO-Depth	Volume	Annulus	Casing	-Squeezed Away	Final	DC-
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Depth	or in	nterva	l tested_					<u> </u>	\\		
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		p	' &	•	IOr test.				_	°	
IHP _		II	FP	QA'A	Tail	' Bea	n size _		_" Cushion	1	
Blow											
Open 1	for te	st	Hr	•	min. Fl	nid ent	rīz				
Date _		. 19	Time	Gua	ge/meter rea	dine	D	nn da1			· · · · · · · · · · · · · · · · · · ·
Date _	7 1	. 19	_ Time _	Gua	min. Fige/meter reage/meter rea	ding	Enc	np deptr	' —' E	ngr	
	TEAGT		' S117*17A17	00 00				J			
											·
Rate:		(m	B/D	oil,		B/D wat	er.		9/		
M/ opr Fluid	confi	led be	lature) si	rvey rur	at 7	B/D &	600	psi on	% wat	er cut	1074
P.U	32	471	T.	. . 1/	Packer d	epth		Ţ)		±1412	-1430
•			In 1190	114 111 /2	4x2 1/8" annu	ulus wai	t@1000'	- slug	res away	1 .	L
(10	mace	• /							71014	'00 ±	
<u> </u>	unoe	Lee	Kin 27	0 169 +	hough 7"	asing	at = 1	400'			
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<u></u>	R/A S	Jurue	У	,	علا	tez Shut	~Off Tes	Yemo			
Оре	erator	Get	Hy 0:1	Co.		. •) Child	•		
Fie shu pre	t-off sent	Cot on 1 from Engr		, M ₁	, County roM. Schre	congos +	, repr	esentat e also		ested for supervi	TUTI
Cas	ing re	cord d	of well: _	13 3/8"	cem. 416	7"co	em 503	o'.c.	P 2760'	Dest	3105/ 11156
pa	1fs 3	185, 3	364,3448	5 's 3606	com. off. \$	parts 21	23- 3/7	2 / 221/	7- 2207' 5	PEFT:	3104 030
	<u></u>	7,	0. 5710	Bridge	se plugs 3	6461 6 3	810'	-) 50/(25.77	2330-	3363
The	opera	tions	were perf	ormed fo	r the purpos	se of Ma		1:	1) 1 1) -	/	100.1
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	11 ir	le ope liectio	rations as on fluid i	witness	sed and repo	rted are	approve	d as in	dicating t	hat all	of the
Landan de la Rei mort Maria e				7	reaves rife I	ormarron	s perom	~~~~	' at th	is time.	·
Hole	size:		fr.		' to	1	ii te	2	1 &	" t	*
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		Casing		<u></u>	Cemented		Top o	f F(1)		į.	
Size	Wt.	Тор	Bottom	Date	MO-Depth		Annulus	Cocina	Squeezed	Final	
							Lambidido	Ogorng	Away	Press.	Perfs.
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Depth The b	or i	nterva luid w	l tested_								
The h	ole w	as obe	n to		at for test.		on		19		
Packe	r(s)		· & .	1	Tail	' Bea	m size _		" Cushion	1 · · · · · · · · · · · · · · · · · · ·	
Blow		L.	rr	FFP		FHP					
Open	for to	est	H	C .	min. F	luid ent	ry				
Date.		- 19 —	Time Time	Gue Gue	min. F age/meter reage/meter r	ading	Pu	mp dept	h ' F	ngr	
Fluid	level		survey	ed on	19	ading	iewed (w	gr. itnesse	d) by	-	
Rate:		(Tomas	B/D	oil,		_B/D was	ter,		% wat	er cut	-
fluid	confi	ned be	rature) s :low	urvey ru	n at' (Packer o	B/D (S	_psi o	12	-18	19 <u>73</u> ,
114":	seating	hipple	C 3257 W	il into 5	-9 1/4"x 27	/// 01 25 10 10 10 10 10 10 10 10 10 10 10 10 10	1 /	_') - 	1 = 2 / .	7	
2 7/8">	x 7 "a	mnulu	r ini ind	5-6	2/pnf: 312	3. 217x1	u) W/cm	+ mandre		ng into	5.6 A
** ; 4					er (FMF 31C	7. 2. (Ò				· · · · · · · · · · · · · · · · · · ·	
							•	•	,	•	
			·				7.11	,			

STATUS

Getty Oil Co. "Los Alamos" 31	Completed Producing Recompleted Producing Completed Abandoned Uncompleted Abandoned Idle
	Converted to water disposal well May 2, 1965
RECORDS Received Needed	Status changes 1-1-67
Well Summary History Log & Core Lge Sm Elec Log(s) Lge Sm Direct Survey Other Location Elevation	engineers
Release bond	l. Log, history & core record (dupl)
nord bond reason	2. Electric log
Final letter	3. Operator name & well designation
150b 170	4. Location 5. Elevation
121	6. Signature
Card	7. Notices
	8. "T" reports
	9. Casing record 10. Plugs
	ll. Production
	12. Wildcat cards
	13. Map and Book //- 20-65
	APPROVED NOT APPROVED FOR THE FOLLOW
	THE DEAGON AND THE

Form 19

Date

RESOURCES AGENCY OF CALIFORNIA DEPARTMENT OF CONSERVATION

DIVISION OF THE TANK GAS RECEIVED

DIVISION OF OIL AND GAS

DEC 1 6 1965

History of Oil or Gas Well

ار	Letta	
OPERATOR T	Tidewater Oil Company Field Cat Canyo SANTA MAR	ria, california
Well No. Gett	etty Oil Co.'s Los Alamos #31 Sec. 1 , T. 8N , R. 33W	S.B. & M
Date Decemb	mber 9, 1965 , 19 Signed T. A. Davis	all o
P. O. Box 1	1206, Santa Maria WA5-8615 Title Agent	
(Address)	(Talanhara Number)	ident, Secretary or Agent)
It is of the gre drilling and testing as hole size, format- initial production da	greatest importance to have a complete history of the well. Use this form to report a full account of all import ing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be nation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, b a data.	ant operations during the sure to include such item ailing tests, shooting and
4/15/65	G&O moved in and rigged up to recomplete as water injection Ran 6 1/4" Tricone bit on 2 7/8" tubing, hit fill at 3120 Circulating out oil	on well.
4/16	Circulated out sand fill 3120-3175. Cleaning out bridge Baker sand line drill.	plug with
4/17	With Baker Sand line drill, drilled out Model K retainer and Pulled out. Ran Cavins 2 5/8" bailer and bailed sand and 3185.	at 3175'. gravel at
4/18	Ran sawtooth collar at 3185. Backscuttled sand and grave Had indications of bad pipe. Worked pipe. Unable to get Ran 5 1/2" impression block to 3214 and pulled out. Four outside edge of impression block. Perfs. at 3123-3162; 3 and 3530-3559.	past 3214.
4/19	Idle.	
4/20	Ran Servco 6" mill and milled 3202-3226.	
4/21	Pulled mill. Ran sawtooth collar and cleaned out sand and 3226-3236. Ran 6 1/4" Security bit and cleaned out cemer and gravel to 3260.	cement t, sand
4/22	Drilled out cement, sand and gravel 3260-3412'. Drilled of iron baffle. Pulled out. Running Globe Tricone bit.	n cast
4/23	Drilled out cast iron baffle at 3412. Cleaned out sand a 3570. Made up and ran 7" casing scraper to 3570. Pulle Prep. to wash perforations.	nd cement to
4/24	Ran washer, did not work. Pulled out and checked. Ran ba would not work. Pulling out.	ck in, still
4/25	Ran and set washer at 3570. Pulled to 3559 to wash perf 3559-3530 and 3237-3211. Unable to break down. Pulled	orations
	in to 3559 and dumped in 500 gallons of acid. Worked was 3559-3530. Had small breakdown. Shut down at 3:00 A.M. 8:00 A.M. Acid soaking for 8 hours.	her from
4/26	No report.	

Mar	Map	Bond		Forms	
A) o.	Letter	No.	115	114	121
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With Lane Wells equipment J.P'd four 1/2" h/ft 3565-3530; 4/27/65 3247-3210'; 3170-3130'. Ran MCT washer; stuck tool. Pulled with 80,000# to free tool. Pulled out. Ran M&T circulating washer and washed perforations 3130-3247. Unable to wash lower perforations due to fill at 3500 . Pulled out. Running sawtooth collar to circulate out sand. 4/28 Ran sawtooth collar and backscuttled sand 3500-3579 . Pulled out. Ran M&T washer and washed perforations 3530-3567. Pulled washer. Closed well in at 9:00 P.M. Ran bailer, open to 3570'. Laid down tubing. Tore out equipment. 4/29 Company hoist laid waste water line. Hooking up Triplex pump to test 4/30 for water injection. 5/1 Hooked up Triplex pump. Injected 75 bbls./hour at 300 psi. In 4 1/2 hours injected 340 barrels. 5/2 Injecting 1000 barrels waste water per day at 50 bbls. per hour pumping rate; 50 psi at well.

FINAL REPORT.

Casing Record

13 3/8" 61# c 416 * 7" 23# effec. to 3646 1 (Shoe at 5030') C.P. 2760'; WSO 4 h's 3104'* J.P. 4 h's 3185; 3264; 3498; 3606 Cmtd. 4 h's 3105; 3187; 3499; 3605. G.P. 8 h/ft 3123-3162 ! Reperf. J.P. 4 h/ft 3123-3162' Reperf. J.P. 4 h/ft 3130-3170 * G.P. 8 h/ft 3211-3221 G.P. 4 h/ft 3221-3237 (Cmtd.) Reperf. J.P. 4 h/ft 3210-3247 G.P. 4 h/ft 3530-3559* Reperf. J.P. 4 h/ft 3530-3565! Ineffec. Csg. Below Junk (Bdg. Pg.) at 3646 and Bdg. Pg. at 3810' 1384'-7" 23# c 5030'

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5/5/56 -
                                     HISTORY RECORD
                                                                      Sec. 1-8N-33W
             GETTY OIL COMPANY
            (Pacific Western Oil Corp.) LEASE
                                                   "Los Alamos"
                                                                                31
                                                                      WELL NO.
            Cat Canyon Wist
FIELD-AREA
                                            county Santa Barbara
                                                                              8/13/55
                                                                      SPUD.
            5610 Sly alg W ppty/1, 2310 Ely fr NW cor of
LOCATION
                                                                      COMP.
                                                                              1/24/57
            ppty (Los Alamos Ranch), Sec. 1-8N-33W
                                                                      Rsm.
                                                                              4/14/65
                                                                              <u>le||: 5/2/65</u>
             5/8/65 supplements issue 2/2/57
DATE OF ISSUE:
                                                                              5710'
                                                                      PLUG
                                                                              3570'
                           PIPE RECORD
                                                                      GEOLOGICAL MARKERS
 13를
          416
                           w/300 sx.
  7
        5030
                           w/1700 sx.
                           Perf. at Int: 3123-3559, reperf'd. 3130-3565
                           Prod. Int: 3111-3565 selectively
```

DATE	DEPTH	FORMATION - REMARKS
9/23/55	5710	On pump 9/23/55- no CONTRACTOR Clyde Hall Drig. Co.
10/7/55	1 1 1	estimate. Suspended. ENGINEER
1/25/57	5710	
1/28/57 2/ 5/57	Pg3400	201 B/D gross, 60 B/D net, intervals 3111-50, 3199-3225, 3247-33 8'. 24 B/D net 10.2° 87% cut 280% C.P 2/5/57 all water 121 B/D gross, 8 B/D net, 96% cut.
4/16/65	5710 Pg3400	Resumed 4/14/65. Circulated out sand fill 3120-75!
4/19/65	5710	Cleaning out bridge plug to convert to Waste Water Disposal Well. Drilled out retainer at 3175'. Bailed sand and gravel to 3185'. Back scuttled to 3214'. Pipe stuck. Ran impression
4/20/65 4/21/65	·	block. Perf'd. at intervals 3123-3559'. Milled 3202-3226'. Cleaned out to 3260'.
4/22/65		Drilled out cement, sand and gravel 3260-3412'.
4/23/65	5710	Drilled and cleaned out to 3570'. Ran casing scraper to 3570'.
4/26/65	Pg3570	Washed perfs. 3211-37 and 3530-59'. Acidized.
4/27/65		Jet perf'd. w/ 41" HPF at intervals 3130-3565. Washed 3130-3237'. Hit fill at 3500'. Circulating out sand.
4/28/65		Backscuttled out sand fill 3500-3579'. Washed perfs.3530-67'.
4/29/65		Bailed to 3570'. Moving out equipment.
4/30/65		Installing waste water line.
5/3/65		Completed as a Waste Water Disposal Wet! 5/2/65. Dropped from Oilogram.

RECEIVED GAS

NOV 8 1965

Water Injection

NEWS

PAGE 27

UNSCHEDULED

May 6, 1964

WASTE WATER DISPOSAL CAT CANYON FIELD

Santa Maria

I am enclosing three copies of report No. P365-275 dated May 6, 1965, approving proposal of Getty Oil Company to convert well No. "Los Alamos" 31, Sec. 1, T. 8 N., R. 33 W., S.B.B.& M., Cat Canyon field into a waste water disposal well. I am enclosing copy of a letter from the operator outlining the proposed work and copy of a cross section and contour map showing the structural location of the well.

Waste water will be injected into the S6, S6A, and S9 sand members of the Sisquoc zone. The anticipated rate will be 1,000 to 1,500 barrels per day at pressures ranging up to 500 psi. The base of the fresh water sands is above 600 feet and these sands are adequately protected by a string of surface casing cemented at 416 feet and by a collar of cement behind the 7" water string above the injection zone. A water shut-off above the injection zone has been established.

CECIL L BARTON

Deputy Supervisor

Execipt Bastan

CLB: db

Encl.

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 365-275

	Hofmann For 811							
	ura Cali						Senta Meria	Calif
	CESTY (Hay 6 1965	
Agent for	through the sale of	244) WW			•		VATOR COM	(D)
DEAR SIR:								
Your		***	-mas-1 +-	alter	casino		Well No. "Ios Alexos" Field, Santa Barbara	56
Section	TUI	R 33	S B R	8r M	Cat	Camma	Well No.	<u> </u>
dated A	11 12, 1	955 received	April 13	. 1965 ha	c been ever	mined in a	onjunction with records filed i	County,
Present con	nditions as s	nown by the r	ecords and the	he proposal a	re as follo	me.	onjunction with records filed i	in this office.
The con	ition of	the well	15 as s	tated in	the as to the	ws. Term		
2.	Comple 13 3 3 1638 3 4	123-3162' -7" e 503: 26'; G.P. P. b b's h/ft 353: idge Plus	Tecord, \$16'; 7" \$185'; Ineffec " Beker \$4 b/ft \$4.98'; \$6 -3559'; 1812'; (160 %.	including 23% efficient control of the Case Model K 3211-323 3606; and the Case Market	ec. to s 3105' ing Bel Cast 1 7'; Bek J.P. L g. Brid 's 4562	3192'; (3167' ow Come; ron Reta er Cant h's 3195 ge Flug ' VSO; 6	C.P.2760'; W50 310L'; Cmtd.; G.P. & h/ft of Plug at 3192' siner 3197'; J.P. & 1 Iron Bridge Plug 311 D', 3605' Gmtd.; G.P. 3616'; Baker Cast Ir 598-5; 17% I 5705'; TIE 5007'.	11s 21;
PROPOSAL								
"The p	aroposed	work is a	s follow	RECO	SPLETE I	IS AN TO	ACTION WILL IN S6-S	a Berne
	to 3	570°).	te brite i	I JOHO'.	(11)	der is	cement above plue,	<u>y bones</u> clean out
2.	Wash pa	rfs. 3123	-35591 (#	it interv	rals) ar	d reper	f. if necessary.	
3.	markett TE	tervale w ydrofluor	IWI IWI	gallons	Corrosi	on Cont	rols 15% HCl presized	d with
	Run tub	ing to 31	00' and b	egin dis	placing	10234	salt water to formati	Lon."
RCISION:			. • •					
THE PR	OPOSAL E	APPROTEI	PROVIDE.	d that:				
1.	THE OWNER WAY A	ly statem L103 show of injec		MEGRIFAL ENT	d with fluid	this Div Injected	rision, in duplicate, i, pressure required,	on eur and

2. Injection shall cease if any evidence of damage or failure of water shut-off

is observed, or upon written notice from this Division.

E. R. MURRAY-AARON, State Oil and Gas Supervisor

By continued	On.	pare	2		Deputy
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DIVISION OF OIL AND GAS

Report on Proposed Operations

		No. P 365-275
CETTY OIL CO	Company	Page 2
Well No. "Los Alamos" 31	, Section 1 , T.8 N.	, R.33 W. , S. E. B. & M.,

NOTE: 1. Location of Well: 5610' S'ly along W. property line, thence 2310' E'ly at right angles from NW corner of Los Alamos Ranch, or approximately 550' S., and 3150' E. from the NW corner of Sec. 1, T. S N., R. 33 W., S.B.B.& M.

2. Base of the fresh-water sands is above 600'.

3. The fresh-water sands are adequately protected by a collar of cement behind the 7" casing above the injection zone.

4. The injection water will be waste water produced from various zones in Cat Canyon field.

B/100	Man	Bond		Forms	
Map No.	Map Letter	No.	115,	114	121
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			ا تلل		
			545		
	1				

Blanket bond

FORM 111X 56220 1-62 3,500 SPO

CLB:ms

cc E R Murray-Aaron (3)

E. R. MURRAY-AARON, State Oil and Gas Supervisor

DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

	Ven	tura,	Calif. Apr	il 12,	19 65
DIVISION OF OIL AND GAS - SA					The state of the s
In compliance with Section 3203	, Chapter 93, St	atutes of 1939, r	notice is hereby give	n that it is our ir	ntention to
commence the work of despenings xadrillic (Cross out u	necessary words)	altering casing a	t Well No. Los	Alamos No.	31
	, Sec1	, T8 <u>N</u>	, R. 33W	, <u>S.B.</u>	В. & М.
Cat Canyon	Fiel	ld,	Santa Barba	ara	County.
The present condition of the well is as follow	ws:				
1. Total depth. 5710; P.	g. 3192 '				
2. Complete casing record, including 13 3/8" 61# c 410 J.P. 4 h's 3185' Ineffective Casing 1838-7" c 5030'; Baker G.P. 4 h/ft 3211-& 3606'; J.P. 4 Mag. Bridge Plug 698-5 1/2" 17# L 570	5'; 7" 23#; J.P. 4 h's ig Below Cem Model K Ca -3237'; Bake h's 3499', 3646': Bake	a 3105'; 318 tent Plug at st Iron Retair Cast Iron 3605' Cmtd.	7' Cmtd.; G.P. 3192' ainer 3197'; Bridge Plug 3; G.P. 4 h/ft	J.P. 4 h's 3 3412'; J.P. 3530-3559';	3-3162'; 3264'; 4 h's 3498'; Baker

:). Las	t produ	ced. Idled Since Ja (Date)	nuary 1958 (Oil, B/D)	(Water, B/D)	(Gas Mcf/D)
						• • •

The proposed work is as follows: RECOMPLETE AS AN INJECTION WELL IN S6-S9 ZONES

· тапал - •

1. Cleanout to bridge plug at 3646'. (If there is cement above plug, clean out to 3570').

2. Wash perfs 3123-3559' (at interval)

2. Wash perfs. 3123-3559' (at intervals) and reperf. if necessary.

- 3. Wash intervals with 1000 gallons Corrosion Controls 15% HCl premixed with 3% Hydrofluoric acid.
- 4. Run tubing to 3100' and begin displacing lease salt water to formation.

Man	Мар	Bond		Forme	
NO.	Lotter	No.	116	114/	1,21
		I		1,5	2
	1			1/2	16
	† !	- 1		149 8	171270

DIVISION OF OIL AND GAS RECEIVED

APR 1 3 1965

SANTA MARIA, CALIFORNIA

	OWILLY INTUING A
P.O. Box #811, Ventura, Calif.	GETTY OIL COMPANY (TIDEWATER OIL COOPERATOR)
(Address) 643–2154	(Name of Operator)
(Telephone No.) Address One Copy of Notice to Division of	By J. E. HOFMANN, Agent DE OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

20501-705 4-64 15M ② OSP

19.00 19.00 80.00 Forms
19.00 Lefter No. 710 116 181

Producing - 2-16-57-7

Date

1/12

1/13

1/14

1/15

Cleaning out.

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA

particular OF GL AND GAS

APR 1 1 1857

DIVISION OF OIL AND GAS

द्वाराह्य -	Mirtin, Chillia	354 4				5-1 N W	11:13:1
STATE OF	BLU GLUE G GG C		History of	Oil or Ga	s Well		
	Or ex	er Oil			•	SANTA PAULA	CALIFORNIA
	Dett	of our	2		0-+ 0		,
Opera:	TOR -12 dev	ater Ull	Jompany.	Field.	Cat Cany	on 📂	
			<i>c</i> .		_		
W/_11 N	o Setty Oi	Co. to To	s Alamos (31, Sec	. 1	т 8 N'	p 33 W	S.B. B. & M.
well in	10,000 0 7 0 1	1 00 5 B BO	, Sec	,	1, 1	N,	D. & M.
					1 2mm	- 1	
Date	April 5,	1957	. 19	Signed/	A.P. IIIc.Co	ibe RRd	
					J. P.	McCabe	
π. Λ	m 033	37 1	1927 0 07F).		Cuna		
		ventura	Miller 3-2154		TitleSupe	rintendent	
(2	Address)		(Telephone Number)			` (Presider	nt, Secretary or Agent)
drilling a as hole si initial pro	and testing of the ze, formation test oduction data.	well or during re details, amounts of	complete history of the wed-drilling, altering of casing of cement used, top and be plug back and p	g, plugging, or ab ottom of plugs, p erforate.	andonment with the verforation details, si	dates thereof. Be sure idetracked junk, baili	e to include such items
rroc	nction bei	tore well i	work : None.	(Merr neve	ar put on pr	oduc eron).	
l			112 - 4	_			
l			History	•			
Ran Ran perí ligh	Lane Well: J.C.T. on L. tail to the heading	s neutron 2 7/8" tu 3591'. O	top. Calc. top log and collar bing with no cu pened valve at balance of 2 ho	locator. shion and 4:50 P.M.	Jet perfora 3/4" bean. Had light	Set packer steady blow	at 3577' with $1\frac{1}{2}$ hours and
Ran plug per tool and M.P. Four Pres Ran perf blow (1.7	M&T shoe so with 2000 minute at . Mixed . 20 cu.ft 1300 psi 1300 psi	squeeze to psi 0.K. 1200 psi. 180 sax con water. D F.P. 950 cement 3530 ed 7" casin 2 7/8" tul 3587'. On of 1 hr. 30 il. (Casin 3 J.C.T.	ol on 2 7/8" tu Set tool at 3 Mixed 20 sax nstruction ceme isplaced cement 0 psi. Cement 0'. Cleaned ou ng with 950# fo bing with 3/4" pened valve at 6 min. test. P ng is full of o	cement and ont. Preconstitution of the place of the to 3607 or 15 min. bean and roughled loosil.) Characteristics of the control of the total of the control	les at 3605°d tool unset aded cement ou.ft. water 5:10 P.M. Had and circul O.K. Jet poor cushion. Had weak 1 se at 8:41 Pots O.K. Je	took fluid to Backscutt with 11 cu.f and 123 cu. IOWCO. Stand ated down to berforated 4 Set packer hr. blow th the Recover	at 12 cu.f. tled. Reset ft. diesel oil ft. oil. ding cemented. 0 3662'. holes 3606'. at 3574' with men heading red 300'. d 4 holes at
peri stea test oil Ran	. tail to dy blow 40 . Pulled and 42 sta M&T shoe s	3476' to D min. deci loose at j inds muddy squeeze too	test holes at 3. reasing to light 3:03 A.M. Recovater, 438 g/gol. Set at 339 CC. Preceded co	499'. Ope t heading vered 46½ . Charts 9'. Pumpe	ened valve a blow for ba stands rise showed 1080 ed out fluid	t 1:12 A.M. lance of 1 h consisting pressure i at 1h cu.ft	Had medium ar. 51 min. of $4\frac{1}{2}$ stands ncrease.

Displaced cement with 10 cu.ft. water and 115 cu.ft. oil. M.P. 1600#, F.P. 800#. Cement in place 1:20 P.M. HOWCO. Ran bit and scraper. Found top of cement 3431.

Bond

Map Letter

Map

Forms

115

Los Alamos 31 Page 2.

-2-

April 5, 1957.

SANTA MADIA, CALIFORNIA

Cleaned out cement to 3526. Pressure tested holes at 3499 with 1000# for 15 min. O.K. With Lane Wells equipment jet perforated 4 holes at 3498. Ran J.C.T. on 2 7/8" tubing with 3/4" bean and no cushion. Set packer at 3447 with perf. tail to 3461. Opened tester at 12:27 P.M. Had medium 5 min. blow decreasing to light steady blow for balance of 1 hr. 25 min. test. Pulled loose at 1:52 P.M. Recovered 90' rise drilling oil. Charts O.K. Jet perforated 4 holes 3264. Ran J.C.T. as before. Set packer at 3218' with perf. tail to 3232'. Opened tester at 4:30 P.M. Had medium 3 min. blow then light steady blow remainder of 1 hr. 20 min. test. Pulled loose at 5:50 P.M. Recovered 765' rise (4.4 bbls.) oil. No free water. Sample cut 6.0% mud and 24.0% water by centrifuge. Charts showed 200# pressure increase. Jet perforated 4 holes 3105'. Ran J.C.T. Tool failed to open. Pulled. Rerunning same.

Reran J.C.T. (straddle type) on 2 7/8" tubing with 3/4" bean and no cushion. Set 1861-78 at 3071 and 3129 to test holes at 3105. Opened tester at 2:48 A.M. Had light steady blow throughout 2 hr. test. Pulled loose at 4:48 A.M. Recovered 914 (5.3 bbl.) rise consisting of 1.8 bbls. drilling oil and 3.5 bbls. muddy water, 250 g/g. Charts showed 250# pressure increase. WNSO. Set Baker MK Magnesium Bdg. Pg. at 3212. Ran M&T shoe squeeze tool. Tested bdg. pg. with 1500 psi. Set tool at 2990. Pumped out fluid at 14 cu.ft./min. at 1300#. Mixed 200 sax PCC. Preceded cement with 11 cu.ft. K.D. and 20 cu.ft. water. Displaced cement with 10 cu.ft. water and 107 cu.ft. oil. M.P. 1500#. F.P. 600#. Cement in place 5:15 P.M. HOWCO. Standing cemented.

1/18 Found top of cement at 3062'. Cleaned out cement to 3145'. Pressure tested casing. Took fluid at 850#. Ran M&T shoe squeeze tool. Tested bdg. pg. at 3212' with 1500#. Set tool at 2990'. Pumped oil out holes at 3105' at 14 cu.ft./min. at 1500#. Mixed 200 sax PCC. Preceded cement with 11 cu.ft. K.D. and 20 cu.ft. water. Displaced cement with 10 cu.ft. water and 107 cu.ft. oil. Left 11 sax cement in casing. M.P. 1500#, F.P. 500#. Cement in place 2:25 P.M. HOWCO. Standing cemented.

Found top of cement 3063'. Cleaned out to 3110'. Pressure tested casing. Holes at 3105' apparently took fluid at 950#. Cleaned out to 3140'. Ran M&T shoe squeeze tool. Tested bridge plug at 3212' with 1500#. Set tool at 2990'. Tested below tool with 1000#. Held 900# for 20 min. 0.K. Tested casing from tool to surface with 1000# 0.K. Pulled tool. Jet perforated 4 holes at 3104'. Ran J.C.T. as before. Set packer at 3068' with perf. tail to 3082'. Opened valve at 9:08 P.M. Had light to faint steady blow throughout 1 hr. 54 min. test. Pulled loose at 11:02 P.M. Recovered 190' (1.1 bbls.) rise of drilling oil. Charts 0.K. WSO on holes at 3104' witnessed and approved by D.O.G.

Ran bit and scraper. Drilled on bridge plug at 3212' and chased plug to 3646'.

swabbed fluid level to 1512'. With Lane Wells equipment, gun perforated 4 h/ft.

3530'-3559'. Had 600' fluid rise while perforating. Ran J.C.T. on 2 7/8" tubing with 3/4" bean and no cushion. Set packer at 3477' with perf. tail to 3491'. Opened tester at 8:45 P.M. Had medium to light blow for 35 min. then dead for balance of 2 hr. 12 min. test. Pulled loose at 10:57 P.M. Had 2810' (16.3 bbls.) rise salt

water, 583 g/g. No oil. Charts showed 600# increase during test.

Set Baker cast iron bridge plug at 3412'. Swabbed fluid down to 1500'. Dumped 5 sax cement on top of bridge plug. Calc. top of plug 3385'. G.P. 4 h/ft. 3237'-3211', 3162'-3123'. Ran and landed 3287.6' - 2 7/8" tubing incl. pump shoe and

gas anchor.

1/21

Ran pump and rods. Hooked up pumping unit. Started pumping 2:20 P.M. Turned to tank 2:40 P.M. In 4 hours and 40 min. to 7:20 P.M. pumped 46 bbls. circ. oil, 44 stroke, 16 SPM. Having trouble with unit. Shut in at 7:20 P.M.

April 5, 1957.

SANTA MARIA. CALIFORNIA

1/23 Pulled pump - sanded. Cleaned and reran pump. Pumped 85 B/D gross formation oil, 37.5% water.

1/24-29 Pumped at a daily average rate of 189 barrels, cutting 72.6%.

1/30-2/1 Shut in, waiting on hoist for pump repair.

Lowered tubing, hit top of fill at 3373. Changed pump shoe and seat. Landed tubing at 3004. Pumped 148 B/16 hours, 92% cut.

2/3-5 Pumped at a daily average rate of 203 B/D, 92% cut.

2/6 No gauge. Ran water witch. Found water entry 3223'-3225', 135-140 barrels per day.

Fluid level 1685. Pulled rods and tubing. Preparing to exclude water.

Ran M&T shoe squeeze tool. Set at 3277. Tested plug with 1000# 0.K. Set at 3217. Had communication between holes at 3261 and perforations above tool.

Ran Baker MK magnesium retainer. Set at 3215. Mixed 25 sax construction cement. Pumped 21 sacks below tool. Cement in place 8:20 A.M. Backed off from retainer and pulled tubing. Well taking fluid. Ran bit and scraper. Found top of cement at 3227.

2/9 Ran Baker MK magnesium retainer. Slips set at 2031. Backed off. Ran bit and scraper. Drilled out retainer and cleaned out cement 3227 - 3237.

Ran Baker MK magnesium retainer. Set at 3177'. Pumped away fluid at 20 cu.ft./min. at 1000#. No returns through perfs. at 3123'-3162'. Pumped in 100 sax PCC. Displaced with 108 cu.ft. water. Got returns from casing after displacing 104 cu.ft. Left 10 sax in casing. M.P. 500#, F.P. 0#. Cement in place 3:35 A.M. HOWCO. Found top of cement 2970'. Cleaned out cement and retainer to 3221'.

With Lane Wells equipment jet perforated 4 h/ft. 3211-3221. Ran J.C.T. on 2 7/8" tubing with no cushion and ½" bean. Set packer at 3179! with perf. tail to 3194. Opened tester at 8:50 A.M. Had strong 3 min. blow decreasing to light steady blow. Started swabbing at 10:50 A.M. Fluid level at 1100! on first run. In 13 hours 10 min. to midnight swabbed 100 bbls. total including 7½ barrels oil and 5 barrels sand. Swabbing from 2900!. Fluid level approximately 2700!.

2/12 Swabbed salt water, oil and sand. In 19 hrs. 40 min. swabbed total of 113 barrels including 9 barrels oil. Pulled tester at 9:20 A.M. Ran bit and scraper and

circulated hole clean to 3221'. Running cement retainer.

Set Baker MK cast iron retainer at 3197. Pumped fluid away at 20 cu.ft. per minute at 600#. No returns from casing. Pumped in 75 sax PCC. Displaced with 96 cu.ft. water. Left 12 cu.ft. cement on top of retainer. M.P. 1000#. F.P. 0#. Cement in place 12:50 A.M. HOWCO. Ran bit and scraper. Cleaned out cement 3171-3192. J.P. 4 holes 3187. Ran J.C.T. with no cushion and ½ bean. Set packer at 3172 with perf. tail to 3186. Opened tester at 3:20 P.M. Had medium to light blow 5 min. then fluid dropped away in annulus. Pulled loose and refilled casing with ½ barrel water. Set packer at 3099. Opened at 3:52 P.M. Had light steady blow. Started swabbing at 7:30 P.M. Fluid level 1880. Swabbed 12 barrels salt water to 10:30 P.M. No oil. Fluid level 2560. Pulled loose at 11:00 P.M.

Plug 3192'. Pulled tester. Set Baker MK magnesium retainer at 3177'. Pumped fluid away at 1000#. Opened annulus and had communications between 3187' and interval 3123'-3162'. Left annulus open. Pumped in 25 sax PCC. Displaced with 97 cu.ft. water. Left 8 sax on top of retainer. Circulating pressure 1000#. Cement in place 7:00 A.M. HOWCO. Found top of cement 3105'. Cleaned out to

3192'. Jet perf. 4 holes 3185'. Running J.C.T.

-4- APR 1 1 1957 April 5, 1957.

Ran J.C.T. to test holes at 3185' with perf. tail to 3189'. Opened tester at 2:06 A.M. Had light blow for 1 minute and then dead for balance of 1 hour test. Pulled loose at 3:06 A.M. Recovered 440' rise (2.5 bbls.) salt water. Reran tester as before. Opened tester at 7:45 A.M. Had light blow for 5 minutes and then dead balance of 2 hour test. Pulled loose at 9:45 A.M. Recovered 90' rise salt water. (Hole full of salt water). Charts 0.K. With Lane Wells equipment J.P. (reperf.) 4 h/ft. 3123'-3162'. Hung 2 7/8" tubing with pump shoe and gas anchor at 3061'. Ran pump and rods. Started pumping 1:00 A.M. In 62 hours pumped 66 barrels water (circulating fluid).

2/16-21 Pumping to sump due to high sand cut. Est. producing rate of 150 B/D, 64% cut.

	Gross	Net	Cut	Casing Press.		
3/6 3/14 3/17	162 123	36 27	78 % 78	160# 165	T.D.	57101
3/17	103	23	78	165	Pg.	31921

TUBING RECORD

3027.5' - 2 7/8" EU Tubing Rg. 2, 8 RT (96 jts.) 1.6' - 2 1/2" Top lock pump shoe 31.9' - Gas Anchor

7-07

3061.0' - Overall from landing flange (12' below K.B.)

JUNK

Part of Baker MK magnesium bridge plug at 3646'.

CASING RECORD

13 3/8" 61# c 416'
7" 23# c 5030'
C.P. 2760'
4 h 3105', 3187', 3189',
3605' (cmtd.)
4 h 3104', 3185', 3264',
3188', 3606'
8 h/ft. 3123'-3162'
(8 h/ft. 3211'-3221'
Ineff.(4 h/ft. 3221'-3237',
(3530'-3559')

JH:ml

	1		Bond		Forms	
Max.		Map Letter	1:0.	115	114	121
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DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

(FORMATION TESTER)

No. T 357-11

T TO Wardeley	
Mr. J P McCabe	AA
P C Box 811	Santa Maria, Calif.
Ventura California	Santa Maria, Calif. January 22, 1957
Agent for Getty Cil Co	
_	
DEAR SIR:	
Your well No. "LOS ATAMOS".	Sec. 1 , T. 8 N. , R. 33 W. , S.B. B & M.
Cat Canyon	Field, in Santa Barbara County, was tested for water shut-off
on canually 17, 177/	Mr. Eugene D. Lawrence designated by the supervisor was present
from LL:00 Dellie to LZ:00 Delli	as prescribed by law; there were also present Fred Hagist, engineer, and
r. Daisberry, driller	
Shut-off data: 7 in. 23	lb. casing was re cemented through perforations at 3093 ft.
on January 18, 1957 in	an 11 3/4 in hole with 227 cu ft sacks of cement
	calculated to fill behind casing to ft. below surface. 416'; 7" cem. 5030', c.p. 2760', four 1/2" holes 4862',
Casing record of well: 13 3/8" cer	. 4161: 7" cem. 50301, c.p. 27601, four 1/2" holes 48621
W.S.O., c.p. 3093! four 1	2" holes 3092', W.S.O.; 5 1/2" ld. 5007'-5705'. Perf.:
51351-56871. Plugged with	a cast iron bridge plug 38001, with cement 38001-37721, with
a magnesium bridge plug 320	01.
	3200 ft. to 3133 ft. Cleaned out cmt. 3050 ft. to 3133 ft. for test.
A Combination gun and	tester was run into the hole on 2 7/8 in. drill pipe-tubing,
with the ft of water mand eachie	tester was run into the note on 2 1/0 in. drill-pipe-tubing,
Tester valve with 2/1	n, and packer set at 3056 ft. with tailpiece to 3070 ft.
rester valve, with 5/4 in. b	an, was open for 1 hr. and 52 min. During this interval there was a
light steady blow for 40 m.	nutes, decreasing to a faint blow thereafter.
14 TO FF . 2 4	
Mr. F. Hagist	reported:
Engineer Eugene Lawrence vi	sited the well from 5:00 a.m. to 6:00 a.m. on January 17,
1957. Mr. F. Hagist report	ed:
	at 3800' with a Baker cast iron bridge plug.
2. On January 16. 1957.	5 sacks of cement was dumped in the hole beginning at
3800 t cal m	lated to fill to 3772'.
3. The 7" casing was sh	ot-perforated with four 1/2" holes at 3093.
4. A Straddle tester wa	s run and the tool plugged immediately after it was
opened.	s rong and one coor bragged manegrapery greet it was
	n was into the help an order to the
y. w potagate rester wa	s run into the hole on 2 7/8" drill tubing and packers
	and 3117'.
o. The tester valve, wi	th 3/4" bean, was open for two hours. During this
interval th	ere was a light steady blow for 50 minutes, a medium
blow for 20	minutes, and a light steady blow thereafter.
P**: 4	
The inspector noted the fol	Lowing:
1. When the drill pipe	was removed, 346' of oil, and 598' of water were found
above the t	ester, equivalent to 5.3 bbl.
2. The pressure bomb ch	arts indicated that the tester functioned properly.
The Engineer arrived at the	well at 11:00 p.m., January 19, 1957, and Mr. Hagist
reported:	· · · · · · · · · · · · · · · · · · ·

E. H. MUSSER

State Oil and Gas Supervisor

By (Continued) Deputy

Report	on	Test	of	\mathbf{W} ater	Shut-off
			ΛR		

Operations Witnessed Page 2

No. T 357-11

Special Report on	Operations	Witnessed

Getty Oil Co

Well No. "Los Alamos" 31 , Sec. 1 , T. 8 N. , R. 33 W. , S. B. B. & M.,

1. The hole was bridged at 3200' with a magnesium bridge plug.

2. On January 18, 1957, the 7" casing was recemented through perforations at 3093' with 227 sacks of cement, of which 200 sacks was squeezed away under a final pressure of 500 lb.

3. The 7" casing was shot-perforated with four 1/2" holes at 3092.

The inspector noted the following:

- 1. When the drill pipe was removed, 190' of oil was found above the tester, equivalent to 1.3 bbl.
- 2. The pressure bomb charts indicated that the tester functioned properly.

THE 7" SHUT-OFF AT 3092' IS APPROVED.

CC: Mr D D Turner

	Forms			
114	121			
	114			

E. H. MUSSER

State Oil and Gas Supervisor

By Ch C Ball

16

Deputy

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No.	P357-23
-----	---------

Mr. J P M P O Box	811	Santa Koria, January 14, 1957	Calif.
ventura	California Getty Oil Company	January 14, 1957	
Agent for	densy off Josephany		
Dear Sir:			
Your	proposal to alter casing	Well No. "Los Alamos"	<u>31</u> ,
Section 1	, T.8N., R. 33W., S.B. B. & M., Cat Canyon F	ield, <u>Santa Barbara</u>	County,
dated Jan.	11, 1957, received Jan. 14, 1957, has been examined in con	njunction with records filed in	this office.
Present co	onditions as shown by the records and the proposal are as follows:		
	n addition to, or at variance with those shown in casing comented 5030', c.p. 2760'.	n the notice:	
THE NOTICE	oresent condition of the well is as follows:		
	Total depth. 5710'		
2.	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	13 3/8" 61# c 416'		•
	7" 23# c 5030' 4 h 4862' (WSO)		
	698' - 5½" 17# L 5705'		
	T.L.H. 5007!	. (8) and and	
2	Perf. (5135'-5687') 180 M, 2" slots, 12 rows Last produced. Never produced.	o" centers.	
٠.	(Date) (Net Oil) (Gravit	ty) (Cut)"	
PROPOSAL:			
	roposed work is as follows:		
2.	Set bridge plug at 3800. Dump 5 sax of cement Jet perforate 4 holes at 3585. Test with cast	on prug.	-
~•	reperforate and retest, if necessary.	ms besier - the cement	• •
3.		3260' and 3115'. W	<i>I</i> SO
	at 3115 to be witnessed and approved by DOG		
4.			
5•	If wet, abandon by setting bridge plug at 3400 on plug.	and dump 5 sax ceme	≥nt
6.			
7•	Run tubing, pump and rods and place well on pro	oduction."	
DECISION:			
THE PRO	OPOSAL IS APPROVED.		

Blanket bond

Magn.	Map	Dendry	er	Forms	
148. U.	Letter	No.	115	114	121
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E. H. MUSSER, State Oil and Gas Supervisor

By ha Carl, Depu

DIVISION OF UIL AND GAS RECEIVED JAN 1 4 1957

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

SANTA MARIA, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

Ventura	Calif.	January 11	1957
Calif			
			•
r 93, Statutes of 19	39, notice is here	by given that it is	our intention to
Mg &r altering casing	g at Well No	Los Alamos #	¥31
	3 N , R.	33 W ,	S.B. & M.
Field,	Santa Ba	rbara V	County,
			,
5135'-5687')	180 M, 2" s		
_		·	
(Net Oil)	. (Grav	ity)	(Cut)
Dump 5 sax of 3585. Test with a sax above a approved by I ft. and test g bridge plug ft. 3135.—316 and place well	of cement on with casing to the tast of tast of tast o	plug. tester. Rece 50' and 3115' 30'-3560'. d dump 5 sax 245'.	ement,
	61# c 416 c 5030 4 h 48 5007 5135 -5687)	1 / T. 8 N / R. Santa Ba 61# c 416 c 5030 4 h 4862 (WSO) 1 5705 5007 180 M, 2" s	1 V, T. 8 N 1 R. 33 W Field, Santa Barbara

Map	Map	Bond		Forms	
No.	Letter	No.	115	114	121
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Producing - Commenced August 23, 1955
Suggested

DIVISION OF OIL AND GAS RECEIVED FEB1 - 1956

WELL SUMMARY REPORT

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						Cone Worms I						
			bl assden	Clara	i Per	Cent Water	. Gas	daw	ı	Processor	1 1	Desection
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13-3/8"	Production aft Depth of Shoe 416	er 30 days Top of Casing	wash Weight of Casing 61#	ASING RECORI New of Second Hand	O (Pressor Is	ent Hole)	Mcf. per Grade of Casing J-55	Size of Dril	<u>L</u> n	Pressure Number of Sar of Cement	cks Dapth c	Pressure
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13-3/8" 7"	Production aft Depth of Shoe 416' 5030'	er 30 days Top of Casing O	wash Weight of Casing 61# 23#	oil ASING RECORI New of Second Hand New German	O (Pressor Is	sent Hole) mless pweld 88	Grade of Casing J-55 J-55	Size of Dail	in in	Number of San of Coment 300 1700	cks Dapth c	Pressure
13-3/8"	Production aft Depth of Shoe 416	er 30 days Top of Casing	wash Weight of Casing 61#	ASING RECORI New of Second Hand	O (Pressor Is	sent Hole) mless pweld 88	Mcf. per Grade of Casing J-55	Size of Dril	in in	Pressure Number of Sar of Cement	cks Dapth c	Pressure
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PECEIVED

FEB 1 - 1956

LOG AND CORE RECORD OF OIL OR GAS WELL MARIA, CALIFORNIA

DESCRIPTION	recovery	DRILLED OR COTED	THICKNESS	-Arc 23	Piri 10 Botto a ci :	DE Top of Formation
Electric log submitted in lieu of drillers log. Core No. 1: 10° Shale gray, very hard, massive with local fractured portions, no dip. Local cherty portions in fractured parts showing tarry residual oil.	7 04	Drilled Cored	5465 10°		5465 5475	0 5465
Core No. 2:	10'	Cored	101		5710	5700
			•			
	-					
				•		

DIVISION OF OIL AND GAS RECEIVED FEB 1 - 1956

HISTORY OF OIL OR GAS WELL

SANTA MARIA, CALIFORNIA

OPERATOR	Pacific Western Oil Corporation FIELD Cat Canvon
WELL NO	(Los Alamos 131 SEC 1 T 8N R 33W S.B. B & M
	SIGNED // SIGNED
DATE	TITLE (President, Secretary or Agent)
DATE	
8/13/55	Clyde Hall Drilling Company moved in, rigged up and spudded a $12\frac{1}{4}$ " hole at 8 PM $3/13/55$ and drilled to 420° . Opened $12\frac{1}{4}$ " hole to $17\frac{1}{2}$ " from $0-418^{\circ}$.
8/114 /5 5	13-3/8" casing cemented at 116'. Made up and ran 12 joints (123') of 13-3/8", 72# casing with Baker guide shoe on bottom. Byron Jackson cementers mixed and pumped in 300 sacks construction cement (118# slurry, 2% calcium chloride). One bottom and one top wood plugs were used. Started cementing at 1:53 AM. Plugs bumped 2:25 AM. Held 100# pressure for 3 hours. Casing sat at 116'. Tested blow out equipment for 15 minutes with 1500# pressure. Held OK. Ran 12\frac{1}{4}" bit, drilled out plug at 1111', shoe at 116' and drilled ahead to 691'.
8/17/55	With $12\frac{1}{4}$ " bit drilled ahead from 691-2409. Ran 11-3/4" bit and reduced hole from 2409-3400.
8/18/55 to 3/1/55	Drilled with 10-5/8" from 3400-5008. Reduced hole from 10-5/8" to $8\frac{1}{2}$ " from 5008-5328; twisted off and recovered fish.
9/3/55	Drilled $8\frac{1}{2}$ " from 5328-5465'.
9/4/55	With Christenson 8-1/4" core equipment, cored the interval 5465-5475' and recovered 10'.
9/5/55	Opened $8\frac{1}{4}$ " core hole to $8\frac{1}{2}$ " from 5465-5475' and drilled ahead to 5589'.
9/6/55	Drilled $8\frac{1}{2}$ " ahead from 5589-5700'. Ran electric log, dipmeter and hole caliper.
9/7/55	Cored as above the interval 5700-5710' and recovered 10'. Attempted formation test. Made up and ran Johnston Formation tester on 5456' of 4½", 16.6# drill pipe. Make up included 2 packers at 5582, 5574', no cushion, Bowen jars, Homco safety joint, ½" bottom hole bean, 3/4" surface bean, 123' of 6" drill collars, 2 pressure bombs and tail pipe perforated 5582-5710'. Test failed because of wash out in drill collars.
9/8/55	Formation test interval - 5582-5710'. Made up Johnston tester as above at 6:20 PM for 60 minutes on a *" bean with a

Page One

tested 61 g.p.g. from sample taken at bottom and the mud tested 41 g.p.g.

light blow. The blow was light, steady decreasing to faint after 30 minutes and faint heading blows for remainder of test. Recovered 90' of drilling mud. Filtrate

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Differenc

DIVISION OF OIL AND GAS RECEIVED FEB1 - 1956

HISTORY OF OIL OR GAS WELL

SANTA MARIA, CALIFORNIA

	CALIFORNIA
OPERATOR_	Pacific Western Oil Corporation FIELD Cat Canyon
WELL NO	Los Alemos 131 SEC 1 T 8N R 33W S.B. B.
	SIONED EXCEPTION OF THE PROPERTY OF THE PROPER
DATE	TITLE
DATE	(President, Secretary or Agent)
	_ (continued)
	in salinity possibly due to error in titration. Initial Hydrostatic pressure 3000#. Final hydrostatic pressure 2960#. Initial flow pressure 150#. Final flow pressure 160#.
9/9/55	7" casing cemented at 5030'. Made up and ran 159 joints (5034.30') of 7", J-55, 23#, short T&C, German casing. Casing dressed with Baker triplex shoe, slip on metal petal basket @ 5025', baffel collar at 4994' and centralizers at 5015', 4964', 4900', 4838', 4777', 4715' 2467', 2404', 2341', 2278', 2215', and 2152'. Halliburton cementers mixed and pumped in the equivalent of 1700 sacks (615 sacks modified premixed with 1213 cu. ft. of Sealite and 25 sacks of gel, followed by 50 sacks type "C" neat cement). Bumped plugs at 7:36 PM with 900#. Bled off OK. Shut in with 1000# for 9½ hours. Ran Schlumberger temperature survey and located top of cement at 2770'.
9/11/55	C.P. through perforations at 2760. Lane wells shot four (15/32") holes at 2760. Halliberton mixed and pumped in 350 sacks type "C" treated with 2% calcium chloride through tubing. Displaced with 585 cu. ft. of drilling fluid. Cement in place 6:45 PM. Laid down $\frac{1}{2}$ " drill pipe and picked up 2-7/8" drill pipe. With $\frac{6}{4}$ " bit located top of cement at 2511. Cleaned out cement to 2772. Circulated and hit plugs 4994.
9/12/55	Inconclusive W.S.O. on perferations at 2760'. Set Johnston tester at 2745' with tail to 2760'. Opened tester at 9:08 for 1 hour. Had light blow for 8 minutes with gradual decrease to faint blow, faint heading blow for 20 minutes. Dead remainder of test. Recovered 1320' of drilling fluid. Upper portion slightly gas cut grading downward to oil and gas cut mud. Bottom very badly gas cut. W.S.O. 4862'. Shot four \$\frac{1}{2}\$" holes at \$1862'\$. Ran tester on \$1836'\$ of \$2-7/8", \$10.4\frac{1}{2}\$, drill pipe. Make up included one packer at \$1812'\$, no cushion, \$\frac{1}{2}\$" bottom hole bean, 2 pressure bombs, tail pipe perforated \$1815-1821'\$. Opened tester at 3:25 AM for 65 minutes. The blow was light for 2 minutes, dead for remainier of test. Recovered 220' of slightly gas cut drilling mud. The shut off at \$1862'\$ was witnessed and approved by the Division of Oil and Gas.

9/13/55

Ran straddle tool and retested perforations at 2760°. Indications were wet. Squeeze perforations at 2760°.

Set model 'K' bridging plug at 2785°. Set model 'K' cement retainer at 2730°.

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DIVISION OF OIL AND GAS

DIVISION OF UIL AND GAS RECEIVED FEB 1 - 1956

HISTORY OF OIL OR GAS WELL

OPERATOR_	Pacific Western Oil Corporation FIELD Cat Canyon
WELL NO	Los Alamos (31 SEC 1 TEN R 33W S.B. B&M
	SIGNED (1) follott
DATE	
	TITLE (President, Secretary or Agent)
DATE	(continued)
	Broke formation down and took 15 cu. ft. per minute at 1200#. Squeezed with 40 sacks type "C" cement. Calculated to put 35 sacks into formation. Final pressure 700#. Cement in place at 11:50 AM.
9/15/55	Ran casing scraper and $6\frac{1}{4}$ " bit and drilled out retainer and cleaned out cement to 2767.
đ	Test squeeze on perforations at 2760. Made up and ran Johnston tester on 2731' of 2-7/8" drill pipe with one packer at 274 no cushion, Homeo safety joint, ½" bottom hole bean, ½" surface bean, two pressure bombs and 15' tail. Opened tester at 2:50 PM for 60 minutes. Opened on ½" bean for 2½ minutes with a weak blow and dead rest of test. Recovered 20' of drilling fluid.
	With $6\frac{1}{4}$ bit drilled out retainer at 5785, float collar at 5000 and shoe at 5030 and cleaned out to 5710.
9/16/55	Changed from mud to cil. Ran 2-7/8" tubing to 5664', changed from mud to cil. Attempted to set production packer at 4935', 4000', 4905' and every 630' while coming out of hole, packer would not hole.
9/17/55	Ran in with 7" scraper and $6\frac{1}{4}$ " bit and conditioned hole.
9/18/55	5½" liner landed 5705', top - 5007'. Made up and ran 17 joints (696.66') of 5½", 8 rd. th. Collared liner made up as follows: top 126.63' - blank 551.99'- perforated 18.04' - blank Bottom joint bull nosed. Perforations 180 mesh, 12 rows, 2" slots, 6" centers.
	Hung with Burns liner hanger.
9/19/55	Laid down drill pipe. Removed blow out preventer. Ran 5175' of 22" tubing with pump shoe on top of first joint. Rig released 8 AM September 19, 1955.
7/23/55	Put on pump 10:30 AM Sept. 23, 1955.
/24/55	Pumped wash oil. Pumped off.
1/35/55 to 1/30/55	Ran deptograph, found fluid level at pump shoe. Pulled well. Reran tubing and set packer at 4976'. Pumped in 272 bbls. of hot Los Alamos crude. Pressures 3200-3500#. Pulled packer. Put well on pump Sept. 30, 1955 at 9 PM.

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FEB 1 - 1956

HISTORY OF OIL OR GAS WELL

OPERATOR	ractife western off diperation	FIELD CALL CALLYOIT
WELL NO.	(Los Alamos 431 SEC.	1 T. 8N R 33W S.B.B.
		SIGNED SIGNED
DATE		TITLE (President, Secretary or Agent)
DATE	(continued)	
10/1/55	Pumped 185 bbls. of wash oil and pr	umped off.
10/5/55	Pulled and put on pump 8 AM Oct. 5.	, 1955, would not pump.
10/6/55	Well shut down until future remedia	al work.

	Forms		Bond	Man	Man
121	114	118	No.	Map Letter	Map No.
50					
1 75					
W 1	ł				

REPORT OF WELL ON PRODUCTION

			2011014	
CONSERVATION COMMITTEE OF			FIELD OFFICES BAKERSFIELD	\$
CALIFORNIA OIL PRODUCERS		Const. 1	554 HABERFELDE BUIL	LDING
855 SUBWAY TERMINAL BUILDING 417 SOUTH HILL STREET		Coastal Santa Maria	PHONE: FAIRVIEW 4-4	
Los Angeles 13. California			LONG BEACH 3508 ATLANTIC AVE	NUF
MADISON 7731		Cat Canyon	PHONE: LONG BEAGU A S	
	FIELD	Cat Canyon West	COMPLETED2/15/5719_	
	AREA		RECOMPLETED19_	
	FAULT BLOCK	D14	RECONDITIONED19_	
	POOL	riodene	RESUMED19_	
C-14- 0+1 C			METHOD OF Pumping	
COMPANY Getty Oil Compa			MAKE OF PUMP	
LEASE LOS Alamos	SECT	8 R. 33 WELL NO. 31	SIZE OF PUMP	
PREVIOUS WELL DAT		PRESENT WELL DATA	PUMP DEPTH	
TOTAL DEPTH	TOTAL	DEPTH57101	SIZE TEG_ 25"	
PLUG		3221'	DEPTH TBG3208 1	
W.s.o	w.s.o	7" C • 5030'	PACKER AT.	
&LINER		7" C. 5030' Incl. gun	LENGTH OF STROKE	
	perf	s. 3123' - 3152'		
PERFS.	PERFS	3211'- 3221'	PUMPING UNIT	
			PRODUCTION AS OF 2/15/5719	
REMARKS:	Also	3150'- 3199'	GROSS FLUID	
			AA .	_B/D
			R.4	_B/D
Spud: 8/13/55 (Suspende	d Oct. 6.	L955∯₂	70.0	_API
• •	-	11 70		%
Resumed work 1/15/57				MCF
• •	<u>o.</u>		CIR. GAS	
6	1	美0 条	TOTAL GAS	
A. A. C.	The state of the s	2 N G	G/O RATIO	
			PRESSURE: TBG	
the state of the s	SHITA MALL	70 4 70	CSG	
	-	e GAR	TRAP	-PSI
			BEAN: TBG	
			CSG	
		%	ROTTOM	

DATE	NET B/D	GRAV.	% CUT	T. P.	C. P.	BEAN	M.C.F.	G.O.R.
Mar.10,57	35	8.4	70.0					
							-	

ELEVATION: \$\frac{1}{5610'} \ S'ly \cdot \cdot 2310'	'E'ly. fr. NW Cor. Property	CARD TO ENG. CLERKP-7
		FIELD ENG. Norris
P/L CO		
		SCHEDULED PROD.
BYTemp.	le DATE 3/11/57	RECEIVED

SHOW LENGTH, SIZE, PERFORATED INTERVALS OF LINER OR OIL STRING. Form E-113.

Report on Test of Water Shut-off (FORMATION TESTER)

No. T355-171

Mr. J H Spohn	
Box 217, Rte 1	Santa Maria Calif.
Agent for Pacific Western Oil Corp	September 14 19 55
Agent for Tacillo Western Oll Corp	
Dear Sir:	
Your well No. "Los Alamos" 31 Sec. 1	T. 8 N. R. 33 W. S.B. B&M
Your well No. "Los Alamos" 31 Cat Canyon Field, in Santa Barbara September 12. 55	County, was tested for water shut-off
on on Mr. W. H. Park	decignated by the conservices was messent
from 6:45 p.m. to 7:45 p.m. as prescribed by law; there were also prand L. Maupin, drilling foreman	esent J. Gearhart, engineer,
Shut-off data: 7 in. 23 lb. casing was re cemented through	h perforations at 2760 ft
on September 11 , 1955 in 11 3/4 in hole with	350 cu. fc. —sacks of cement
calculated to fill behind co	sing to ft below surface
Casing record of well: 13 3/8" cem. 4161; 7" cem. 50301, c.p. 48621, W.S.O.	2700; 1our 1/2" holes
Present depth 5710 ft. cmt. bridge 5030 ft. to 4994 ft. Cleaned out c	mt. 2511 ft. to 4994 ft. for test.
A pressure oflb. was applied to the inside of casing formin. with	out loss after cleaning out to
A Johnston gun and tester was run into the hole	on 2.7/8 in. drill pipe-tubing,
with ft. of water-mud cushion, and packerset at 4812 Tester valve, with 1/2 in. bean, was opened at 3:15 p.m.	
open for hr. and min. During this interval there was a 11	and remained
minute and no blow thereafter.	on decay of the Tot One
Mireported.	
1. A 17 1/2" hole was drilled from the surface to 2409', an 11 3/4" hole to 3400', a 10 5 8 1/2" hole to 5710'. 2. On September 9, 1955, the 7" casing was cement sacks of cement. 3. A thermometric survey indicated the top of the casing to be at 2770'. 4. The 7" casing was gum perforated with four 15 5. On September 11, 1955, the 7" casing was receprorations at 2760' with 350 sacks of 6. On September 12, 1955, a Johnston tester was 2 7/8" drill pipe for a test of water siperforations at 2760'.	/8" hole to 5008' and an ted at 5030' with 1700 e cement behind the 7" /32" holes at 2760'. mented through the cement.
eputy Supervisor Baily and inspector Huey noted that the	e well tested wet.
Inspector Park was present at the well on September 12, 1	.955, and Mr. Gearhart reported
 The 7" casing was perforated with four 1/2" he All except 600' of the drill pipe was removed 	and no fluid was recovered.
E. H. MUSSER	
State Oil and Gas Supervisor	
	dinued)

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

No. T 355-171

Special Report on Operations Witnessed

Pacific Western Oil Corp

Well No. "Los Alamos" 31 , Sec. 1 , T. 8 N. R. 33 W. S.B. B&M

The inspector noted the following:

- 1. When the remainder of the drill pipe was removed, 220' of drilling fluid was found above the tester.
- 2. The pressure bomb charts indicated that the tester functioned properly.

THE 7" SHUT-OFF AT 4862 IS APPROVED.

CC: Mr W N Graddock
Mr W J Scott

Map	Tap Map Bond		Forms		
No.	Letter	No.	115,	114	121
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			12/1 " .		

E. H. MUSSER

C Barr Deputy 4

DIVISION OF OIL AND E REC 50213VE[AUG 1 7 1955

COUNTY OF SANTA BARBARA

STATE OF CALIFORNIA

Special Report on Oil Operations Witnessed

SANTA MARIA, CALIFORNIA

	ODSENTING SURFACE CASING No. 2105
	Santa Maria, Calif., August 14th , 19 55
Мı	r. W. S. Scott, Assistant Gen. Superintendent
	Los Angeles , California
	Agent for Pacific Western Oil Corporation
De	ar Sir:
	Operations at your well Los Alamos No. 3 Sec. 1 , T. SN , R. 33W , S. B. B. & M.
	West Cat Canyon Oil Field, in Santa Barbara County, were witnessed by
	Harold Huntington , representative of the County
011_	August 14th, 19 55. There was also present Mr. Maupin for Clyde Hall
	Drilling Company and Mr. Stine, Engineer for Pacific Western Oil Corporation.
	Casing Record
	August 14, 1955 Set and Cemented 418 ft. of 13 3/8 in. C.D. 61 lb. Used screw joint surface casing.
	The operations were performed for the purpose of setting and cementing surface casing.
ınd	the data and conclusions are as follows:
	Mr. Stine reported a 17 in. rotary hole drilled to a depth of 418 ft.
	1. 11:10 page to 1:00 a m ran ansing

- 2. Mud fluid circulated 25 minutes.
- 3. 1:48 a.m. to 2:00 a.m. 300 sacks of construction cement were pumped into casing by B. J. Service. Theoretical requirements 225 sacks. 1 top and 1 bottom plugs used.
- 4. 2:08 a.m. to 2:21 a.m. cement was displaced with 362 cu. ft. of mud fluid. Cement return was made before completion of displacement. Final pressure 400 lbs.

Oral approval of cementing procedure is herewith confirmed.

SANTA BARBARA COUNTY OIL WELL INSPECTOR

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P. 355-234

Mr. J H Sponn Box 217 Rte 1	Santa Maria	0.116
Goleta Calif	August 4	Calif. 1955
Agent for Pacific Western Oil Corp		
Dear Sir:		
Yourproposal todrill	Well No. "Los Alamo	s" 31
Section 1 , T. 8 N., (32W), S.B.B. & M., Cat Canyon	Field, Santa Barbar	County,
dated Aug. 3, 19 55, received Aug. 4, 19 55, has been exam	nined in conjunction with records f	iled in this office.
"Legal description of lease Approximately 4000 Location of Well: 5610 feet Southerly along We easterly at right angles to said line from Elevation of ground above sea level * feet_All depth measurements taken from top of K.B.	est property line and 23 the Northwest corner of datum.	10 feet property
Location of Well: 5610 feet Southerly along We easterly at right angles to said line from Elevation of ground above sea level * feet All depth measurements taken from top of K.B. PROPOSAL:	est property line and 23 the Northwest corner of datum.	10 feet property
"Legal description of lease Approximately 4000 Location of Well: 5610 feet Southerly along We easterly at right angles to said line from Elevation of ground above sea level * feet_All depth measurements taken from top of K.B. PROPOSAL: "PROPOSED CASING PROGRAM	est property line and 23 the Northwest corner of datum. which is * feet above	10 feet property ground."
"Legal description of lease Approximately 4000 Location of Well: 5610 feet Southerly along We easterly at right angles to said line from Elevation of ground above sea level * feet_All depth measurements taken from top of K.B. PROPOSAL: "PROPOSED CASING PROGRAM Gize of Csg.In. A.P.I. Weight Grade and Type	the Northwest corner of datum. which is * feet above Top Bottom Cement:	10 feet property ground."
"Legal description of lease Approximately 4000 Location of Well: 5610 feet Southerly along We easterly at right angles to said line from Elevation of ground above sea level * feet_All depth measurements taken from top of K.B. PROPOSAL: "PROPOSED CASING PROGRAM	est property line and 23 the Northwest corner of datum. which is * feet above	10 feet property ground."

D

THE PROPOSAL IS APPROVED PROVIDED THAT:

- 1. Mud fluid of sufficient weight and proper consistency to prevent blowouts shall be used in drilling the well and the column of mud fluid shall be maintained to the surface at all times, particularly while pulling the drill pipe.
- Adequate blowout prevention equipment shall be provided and tested before drilling below the shoe of the 11 3/4" casing and maintained ready for use at all times. Controls should be placed at least 50' from the hole.
- 3. The 7" casing shall be comented with sufficient coment to fill all the space back of that casing from the cementing point to above the Sisquoc formation.

To witness a test of the 7" water shut-off through gun perforations prior to cleaning out below the cementing point.

Map	Map	Bond		Forms		
No.	Letter	No.	115	114	121	
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			3//			
			8-7 9			
	Blanke	hond	, ,			

CC - W N Craddock C E Dyer

E. H. MUSSER, State Oil and Gas Supervisor

Deputy

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11210 1-55 30M SPO

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS RECEIVED AUG 4 - 1955

083-00313

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WF

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

			Los Angeles	<u> </u>	Calif. August 3,	19 5!
DIVISION OF	OIL AND	GAS	,7			4 /
In con	npliance wi	th Section 3203, D	ivision III, Artic	cle 4, Public Reso	urces Code, notice is hereby g	ven that it
					16. 31 /, Sec. 1 /,	
	10.00			,	, Santa Barbara 🗸	<i>(</i>
					Alamos Ranch	County
	OI lease		(Attach map or plat to s		Alamos kanen	
Location of Well	56101	feet Sout	herly alo	estproperty	nd2310 feet Eas	w Frats
	-	,	on tection ,		property (1	Direction)
·						
Elevation of grou	nd above s	ea level *	feet	***************************************	datum.	
All depth measure	ments taker	n from top of	K•B•		which is # feet a	hows
		`		zote of Kenry Busning)		oove ground.
		PROP	OSED CASI	NG PROGR	AM	
INCHES A.P.I.	WEIGHT	GRADE AND TYPE	ТОР	воттом	CEMENTING DEPTHS	3
11-3/4"	47 #	J=55	0	400	4001	
7 ¹¹	23#	J - 55	0	5600	4800	
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tended zone or	ronos of		Chert	! !		
Map Bond		rms	onera			
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